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ABSTRACT

A review of kindergarten programs (state, private, parochial and federally assisted) is set forth in four sections: (1) kindergarten programs in Kentucky public graded schools, (2) non-district public, private and parochial graded schools, (3) kindergarten and nursery school enrollment in private pre-school centers, and (4) federally-supported Project Head Start programs for the disadvantaged. The purpose of this report is (1) to provide a comprehensive survey of the existing programs of pre-primary education as a benchmark for future development, (2) to recognize the dedicated effort of public schools and the private sector to meet the challenging needs of the pre-school age child with local funds and whatever categorical aid is available, and (3) to encourage study by state and local agencies of the potential role of kindergartens in helping to reverse the high incidence of negative trends as expressed by delayed entrance, grade retention, dropout rate, and future career retraining. Documentary tables are shown in Appendixes A-E. (Author/CS)

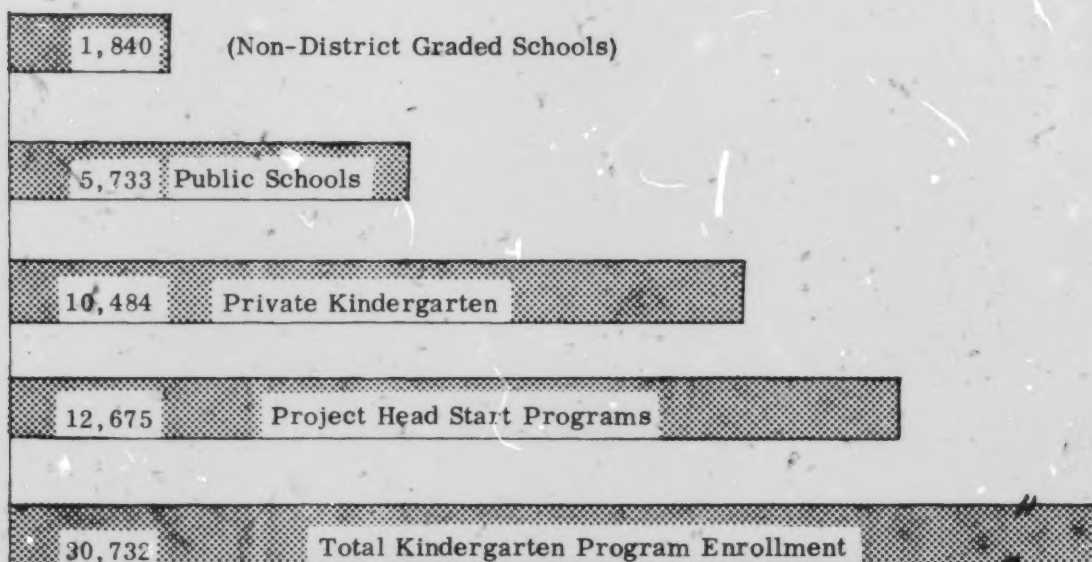
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KINDERGARTEN EDUCATION IN KENTUCKY



Kentucky Department of Education
Dr. Lyman V. Ginger
Superintendent of Public Instruction
Frankfort • October, 1972

EARLY CHILDHOOD EDUCATION¹

Alternative Programs

The programs in early childhood education may be described as six basic types:

1. Parent Education: Children Under Three Years
2. Day Care Centers: Children Under Six Years
3. Nursery Schools: Three and Four Years
4. Kindergarten: Age Five
5. Special Education for Exceptional Disabilities
6. Laboratory Centers

These dimensions may be summarized as follows:

1. Present knowledge suggests certain characteristics of programs for all ages for children. For those under three the most promising practices indicate that parents can be taught to do things to improve the development of children.
2. The nursery schools should be expanded to provide educational programs for children of ages three and four. This expansion should move according to recent trends of first including children in greatest need because of limited home background, absence of parents for work, and other conditions that may retard their development.
3. The traditional double-sessions kindergarten of mass instruction will have to be revised to a single session with an increase in number of adults to the pupils. These programs, too, will require more space and materials than formerly.
4. Early childhood education programs are fundamentally an integral part of the elementary school. This fact has some important implications for the organization and operation of these programs in the years ahead.
5. Special programs should be available for young children with exceptional disabilities.
6. Research and development centers should be expanded with primary emphasis on advancement of knowledge about children and effective educational programs.

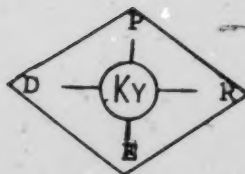
1. Early Childhood and Basic Elementary and Secondary Education, William P. McLure: Audra May Pence, National Educational Finance Project
● Special Study No. 1, 1970. p. 27.

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KINDERGARTEN EDUCATION IN KENTUCKY



Prepared by
Division of Research



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Office of Planning and Research
Dr. David Shannon, Director

FOREWORD

This survey of the expansion of kindergarten opportunity in Kentucky, with inclusion of new program development, is a replication of a 1965 report linking the Foundation steps of the Fifties with planned program development in the Sixties. A review and analysis of kindergarten programs, state, private, parochial and federally-assisted, are set forth in four sections: 1) kindergarten programs in Kentucky public graded schools, 2) non-district public, private and parochial graded schools, 3) kindergarten and nursery school enrollment in private pre-school centers, and 4) federally-supported Project Head Start programs for the disadvantaged.

Historically, state appropriations for public education programs were restricted to the education of children six years of age and over. Thus, the burden of public support for the education of children under six has rested on local school districts using available local tax funds. In the mid-Sixties, national awareness of the need to shore-up school readiness programs led to new federal grants-in-aid, primarily for the disadvantaged child, such as Title I of the Elementary and Secondary Education Act and Project Head Start under the Economic Opportunity Act.

A second chapter in the kindergarten movement was instituted by citizens concerned about school readiness, parent involvement, and the lag in public school development. In the early Fifties, planning and development by the Kentucky Division of the American Association of University Women resulted in the establishment of the Kentucky Association on the Education of Children Under Six. Dedication to a worthy cause and strong organization efforts by the Association and educational leaders led to State legislation and State Board of Education regulations in 1956 setting forth minimum and desirable standards for the operation of pre-school centers by independent agencies.

The combined resources of the local districts, the non-public graded school programs, private pre-school centers, and Project Head Start have contributed directly to the school readiness of 30,732 children in the school year 1971-72. The ratio of composite program enrollment to first grade enrollment is approximately 44 per cent.

In looking forward to a state-supported pilot program, it is important to recognize that much has been accomplished--a foundation laid, professional and public awareness increased, and parent interest kindled. Desirably, priorities at state and local levels will point to new development; to supplement to the extent possible and, as resources are available, to look with favor on a comprehensive program of early childhood education. To those who may say it cannot be done; the evidence is clear and the answer simple, it is being done.

In their special ways, the various publics now supporting kindergartens have exemplified a real concern for the child and faith in the child without which good education cannot be, and given which it cannot fail.

Don C. Bale
Assistant Superintendent for Instruction

ACKNOWLEDGMENTS

Special acknowledgment is due many persons in the Department of Education for assisting in the development of this report. While the data are generally available in published reports, the analysis and interpretation of data take on new meaning under the careful direction of the program staff assigned responsibility to supervise programs, develop forms, and analyze and report the data.

In particular, special thanks are due Mr. Patrick West, supervisor of kindergarten programs, for assistance on the sections dealing with public and private kindergarten and nursery school enrollments; Mrs. Lutitia Papailler, Director of Project Head Start, Kentucky Office of Child Development, for special reports on the federally-supported child development programs for the disadvantaged; and Mr. Don Hart, Title I Coordinator for program data and grant awards to local school districts for kindergarten projects.

Other personnel providing resource data and guidance were Mr. Lee Tyler and staff of the Division of Pupil Attendance and Accounting; Mr. James Daniel and staff of the Division of Statistical Services, and Mr. Don C. Bale, assistant superintendent for instruction, for assistance in planning and reviewing the final report.

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Nationally, the development of state kindergarten programs has been largely regional in nature with greatest development reflected in states with above average revenue for schools. The Fall, 1970 kindergarten enrollment for the fifty states and the District of Columbia was 2,557,394, or 67.1 per cent of first grade enrollment as compared to 56.9 per cent in 1964. Enrollment in public kindergarten as a per cent of first grade enrollment, by region, was: Great Lakes and Plains States, 95.8 per cent; North Atlantic States, 90.3 per cent; West and Southwest, 64.3 per cent; and Southeast, 15.8 per cent. In summary, Kentucky's improved 6.1 per cent of first grade enrollment in 1970 reflects a loss in standing as compared to its Region with 15.8 per cent, and the Nation with 67.1 per cent. Kentucky's relative standing among Southeastern States and Border States in 1970 and 1964 is shown in Table 1.

TABLE 1

RATIO OF PUBLIC KINDERGARTEN ENROLLMENT TO FIRST GRADE ENROLLMENT
FALL, 1970, FALL, 1964, KENTUCKY AND SELECTED STATES¹

Southeastern States	1970	1964	Border States	1970	1964
Florida	39.5%	5.0%	Illinois	99.0%	87.0%
Louisiana	32.8	7.7	Ohio	91.9	74.5
Virginia	27.4	7.2	Missouri	82.7	63.0
Tennessee	15.0	1.0	Indiana	78.9	59.6
Georgia	13.1	10.4	Virginia	27.4	7.2
S. Carolina	10.5	--	Tennessee	15.0	1.0
N. Carolina	7.2	--	Kentucky	6.1	1.0
Kentucky	6.1	1.0	W. Virginia	3.8	0.1
W. Virginia	3.8	0.1			
Alabama	2.2	--			
Mississippi	0.7	--			
Arkansas	--	--			

¹ Source: Richard H. Barr and Betty J. Foster. Fall 1970 Statistics of Public Elementary and Secondary Day Schools: Pupils, Teachers, Instruction Rooms, and Expenditures. U. S. Department of Health, Education, and Welfare, Office of Education. Washington, D. C. Government Printing Office, 1970. p. 18.

Source: Carol Joy Hobson and Samuel Schloss. Fall 1964 Statistics of Public Elementary and Secondary Day Schools: Pupils, Teachers, Instruction Rooms, and Expenditures. pp. 10-11

Statement of Purpose

The purpose of this report is three-fold: (1) to provide a comprehensive survey of the existing programs of pre-primary education as a benchmark for future development, (2) to recognize the dedicated effort of public schools and the private sector to meet the challenging needs of the pre-school age child with local funds and whatever categorical aid is available, and (3) to encourage study by state and local agencies of the potential role of kindergartens to help reverse the high incidence of negative trends which tend to lower the quality of education as expressed by:

- a) delayed entrance to age 7 or "late start" to first grade
- b) relatively high level of first grade retention
- c) resultant failure to maintain normal pupil progress in later grades
- d) above-average drop-out rate and low holding power through high school
- e) the need for basic retraining of many youth to enter the world of work

Research Questions

A cluster of persistent educational problems center around the most important single rung of the traditional educational ladder - first grade. What is "school readiness"? When and how can it be achieved? What are desirable grading and promotion policies? Is a high retardation rate the answer to "readiness" problems stemming from environment?

Where formal pre-school experiences are not provided, the first grade teacher inherits most of the socio-economic and cultural influences on the child that have accumulated over the first six or seven years of the child's life. Success or failure in later school years can be traced in many instances to the wholesomeness of early home-school-community environment. Statistical evidence is provided in Appendixes section to help delineate operational patterns and developmental problem areas:

1. "Late Start" or delayed school entrance to age seven which by Kentucky statutory law, is a prerogative of parents. The extent of non-membership of six-year old census-age children is shown in Appendix B.

2. Grade retention is significantly higher for first and second grade pupils but persists through all grades. Pupil retention by grades (total number and percentage) for the period of 1961-71 is shown in Appendix C-1. Combined pupil retention for all grades and selected years, by county and EDDs regions is presented in Appendix C-2.

3. Holding Power in Kentucky public schools, grades 1-12, showing total enrollment and enrollment per 1,000 for the period 1943-1971, is presented in Appendix D. The above trends data are provided as background for overall problem definition and relate to the general question, when should schooling begin?

Procedures

The descriptive survey of current kindergarten enrollment by counties and sponsoring agencies includes four programs: (1) kindergarten and nursery schools in public graded schools, (2) programs in non-public or non-district graded schools, (3) private kindergartens and nursery schools, and (4) Project Head Start under the Kentucky Office of Child Development for the year 1972. The report does not include the rapidly expanding program of state day-care centers and social work service closely related to early childhood education and under the direction of the Department of Child Welfare.

Trends data from reports and records of the Kentucky Department of Education and current information provided by state department and federal program coordinators are the sources of these data.

General Outline

The results of this survey and the basic data from which these results were derived are presented in four subsequent parts.

In Part II, characteristics of kindergarten enrollment in Kentucky public and non-public graded schools are described. These data also reveal the significant impact of Title I kindergarten programs supported by grant funds under the Elementary and Secondary Education Act of 1965.

Part III presents the strong cooperative effort of private groups of citizens to advance the cause of Early Childhood Education in Kentucky. Programs are operated under private, church, or other sponsorship and are licensed and supervised by the Kentucky Department of Education.

In Part IV, the development and implementation of Head Start Child Development programs are described. This program is federally-supported, requires a non-federal share of support, and is administered by the Kentucky Office of Child Development. Innovative in nature, the various programs combine an interdisciplinary approach, a full range of support programs, and planned continuity to make Head Start a welcome addition to pre-school programs in Kentucky.

A summary is presented in Part V.

Tables documenting national enrollment by states, non-membership (not seven) of six-year olds, pupil retention, survival enrollment and ratio, and estimates of five-year olds and projections are shown in Appendixes A-E.

PART II

KINDERGARTEN ENROLLMENT IN KENTUCKY PUBLIC AND NON-PUBLIC GRADED SCHOOLS

In 1952-53, the peak year for public school kindergarten enrollment in Kentucky, two county school systems and eighteen independent school districts enrolled 7,608 pupils or 8.9 per cent of the corresponding first grade enrollment. The Louisville school system enrolled 4,670 or 63 per cent, of the peak year enrollment. In 1956-57, the Louisville school district discontinued the kindergarten program and total enrollment in the State dropped sharply to 3,512 pupils, or 4.8 per cent of first grade.

The general decline of kindergarten enrollment continued to drop to a new low of 722 in the school year 1964-65. A combination of factors including reinstatement by the Louisville school district in 1966-67 moved the enrollment past the 4,000 mark with strong indications of a continuing upward trend. In support of this growth is mounting public interest and state recognition of the role of kindergarten education and its relationship to quality education in the 1970s and beyond.

Enabling legislation enacted by the 1972 session of the Legislature provides for a three-year development program under the direction of the Department of Education. Funds were allocated by the 1972 General Assembly in support of the introduction of 100 pilot kindergarten units in 1973-74 and the addition of 100 units per year in 1974-75 and 1975-76.

Trends data reflect the temporary status of kindergartens in the 29 local school districts that have operated a program intermittently over the years--not by choice but as funds from any source were made available. A summary of local district supported kindergartens by enrollment for the period 1950-1971 inclusive is shown in Table 2.

TABLE 2

EXTENT OF LOCALLY-SUPPORTED KINDERGARTEN BY ENROLLMENT AND
RATIO TO FIRST GRADE, SCHOOL YEARS 1950-51 TO 1971-72¹

Year	Kindergarten Enrollment	First Grade Enrollment	Ratio K to First Grade
1950-51	4,413	76,750	5.7%
1951-52	6,197	74,204	8.4
1952-53	7,608	85,222	8.9
1953-54	7,380	86,139	8.6
1954-55	7,498	80,985	9.3
* 1955-56	7,331	76,456	9.6
1956-57	3,512	73,183	4.3
1957-58	3,171	73,183	4.3
1958-59	2,186	72,434	3.0
1959-60	1,028	74,399	1.4
1960-61	1,013	67,761	1.5
1961-62	904	70,998	1.3
1962-63	944	71,736	1.3
1963-64	1,118	72,013	1.6
* 1964-65	722	70,057	1.0
1965-66	733	70,049	1.0
1966-67	4,430	70,180	6.3
1967-68	4,739	74,705	6.3
1968-69	4,715	75,355	6.3
1969-70	4,486	73,619	6.1
1970-71	4,234	72,585	5.8
1971-72	5,733	65,146	8.8

*Indicates high and low years of enrollment, K/1

Over the years, the concentration of population in cities and towns in Kentucky has tended to facilitate the development of kindergartens at a faster rate and lower cost in independent or city districts than in county districts. However, in the period described above, significant federal legislation and overall improved state support have materially assisted many county school districts in providing kindergarten programs for selected groups of children.

¹ Source: Annual Statistical Reports to Superintendent of Public Instruction, 1951-1972.

Title I Kindergarten Programs

A new source of financial support for kindergarten programs was made available to the Department of Education and local school districts through the Elementary and Secondary Education Act of 1965. The sharp up-turn of public kindergarten enrollment from the low of 733 in 1965-66 can be attributed, in large part, to the initial and continuation grants under Title I ESEA, as shown in Table 3.

TABLE 3

TITLE I ESEA KINDERGARTENS, 1971-72 SCHOOL YEAR

School District	Total Funding	Partial Funding	Amount of Grant	Kindergarten Enrollment
Clay County	X		\$101,390	274
Owensboro Ind. (Davless Co.)		X	21,362	125
Harlan County	X		160,000	315
Lynch Ind. (Harlan Co.)	X		9,743	25
Hopkins County		X	17,295	75
Louisville Ind. (Jefferson Co.)		X	59,393	200
Mt. Sterling Ind. (Montgomery Co.)		X	18,529	45
Montgomery County		X	29,513	160
Warren County	X		8,000	28
Pike County		X	261,532	640
Lawrence County	X		48,470	195
Adair County	X		29,459	85
Carter County	X		39,458	90
TOTAL	7	6	804,144	2,257

A review of kindergarten enrollment in public school districts for alternate school years, 1953-54 thru 1971-72, is shown in Table 4 and Map-Chart A.

TABLE 4

KINDERGARTEN ENROLLMENT IN KENTUCKY PUBLIC SCHOOL DISTRICTS
FOR THE PERIOD 1953-54 TO 1971-72

District	Year 53-54	Year 55-56	Year 57-58	Year 59-60	Year 61-62
<u>EDD Region 1</u>					
Graves Co.					
Mayfield	52	-	-	-	-
McCracken Co.					
Paducah	-	-	-	-	-
<u>EDD Region 2</u>					
Hopkins	-	-	-	-	-
<u>EDD Region 3</u>					
Daviess Co.					
Owensboro	-	-	-	-	-
<u>EDD Region 4</u>					
Logan Co.					
Russellville	-	-	-	-	-
Warren Co.	-	-	-	-	-
Bowling Green	-	-	-	-	-
<u>EDD Region 5</u>					
Nelson Co.					
Bardstown Ind.	-	-	-	-	-
<u>EDD Region 6</u>					
<u>EDD Region 7</u>					
Campbell Co.					
Bellevue	74	76	92	149	196
Dayton	96	163	-	-	294
Ft. Thomas	183	240	248	267	-
Newport	290	330	328	-	76
Southgate	32	34	63	69	-

TABLE 4 (Continued)

Year 63-64	Year 65-66	Year 67-68	Year 69-70	Year 71-72
-	-	-	-	-
-	-	-	-	109
-	-	-	-	120*
-	-	-	-	142*
-	-	-	-	81
-	-	-	-	18**
-	-	-	-	19**
-	-	138	93	84
-	-	-	-	-
157	-	176	150	137
-	-	-	-	-
301	-	301	267	237
-	-	-	-	-
70	-	61	58	66

*Partial funding Title I ESEA

**Total funding Title I ESEA

TABLE 4 (Continued)

District	Year 53-54	Year 55-56	Year 57-58	Year 59-60	Year 61-62
Grant Co.					
Williamstown	-	-	20	30	22
Kenton Co.	108	111	195	94	81
Beechwood	29	29	*	-	-
Covington	980	1,039	1,016	200	*
Erlanger	-	89	173	-	-
Ludlow	73	82	104	-	-
<u>EDD Region 8</u>					
Jefferson Co.					
Anchorage	23	23	25	26	22
Louisville Ind.	4,670	4,262	-	-	-
<u>EDD Region 9</u>					
Montgomery Co.	-	-	-	-	-
Mt. Sterling	-	-	-	-	-
<u>EDD Region 10</u>					
Boyd Co.					
Ashland Ind.	-	-	-	-	-
Carter Co.	-	-	-	-	-
Lawrence Co.	-	-	-	-	-
<u>EDD Region 11</u>					
Johnson Co.	-	-	-	-	-
Magoffin Co.	30	-	-	-	-
Pike Co.	-	-	-	-	-
<u>EDD Region 12</u>					
	-	-	-	-	-

* No data available

TABLE 4 (Continued)

Year 63-64	Year 65-66	Year 67-68	Year 69-70	Year 71-72
16	-	23	27	40
98	-	84	-	-
233	-	-	-	-
-	-	-	-	-
-	-	-	-	-
24	-	28	23	20
-	-	3,855	3,238	2,620*
-	-	-	-	143*
-	-	-	-	86*
-	-	-	-	55
-	-	-	-	74**
-	-	-	-	14**
-	-	-	-	18
-	-	-	-	-
-	-	-	-	676*
-	-	-	-	-

*Partial funding Title I ESEA

**Total Funding Title I ESEA

TABLE 4 (Continued)

District	Year 53-54	Year 55-56	Year 57-58	Year 59-60	Year 61-62
<u>EDD Region 13</u>					
Clay Co.	-	-	-	-	-
Harlan Co.	-	-	-	-	-
Lynch	-	-	-	-	-
<u>EDD Region 14</u>					
Adair Co.	-	-	-	-	-
<u>EDD Region 15</u>					
Boyle Co.					
Danville Ind.	-	27	24	27	25
Franklin Co.					
Frankfort Ind.	74	69	66	55	49
<u>EDD Region 16</u>	-	-	-	-	-
<u>EDD Region 17</u>					
Fayette Co.					
Lexington Ind.	600	665	697	-	-
TOTALS	7,314	7,239	3,051	917	765

TABLE 4 (Continued)

63-64	65-66	67-68	69-70	71-72
-	-	-	-	256**
-	-	-	186	308**
-	-	-	15	25**
-	-	-	-	94**
-	-	-	-	-
36	-	34	19	27
-	-	-	-	-
-	-	-	-	264
935	-	4,700	4,076	5,733

*Partial funding Title I ESEA

**Total funding Title I ESEA

Source: Annual Statistical Reports, Kentucky Department of Education

5,733

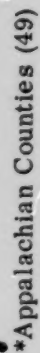


Chart A. Distribution of Local School District Kindergarten Enrollment by Counties and EDD Regions, 1971-72

Non-District Graded School Kindergarten Enrollment

Comparative trends data for state laboratory schools, parochial, private, and other kindergarten programs are not readily available. The current enrollment for all non-district graded schools is shown in Table 5. State university laboratory schools and Fort Knox provided kindergarten training for 624 or 33.9 per cent of non-district enrollment in 1971-72. The composite ratio of kindergarten to first grade enrollment in these schools is as follows:

Murray Training School	100.0%
University Breckinridge (Morehead)	100.0
Model Laboratory School (Eastern)	76.9
Fort Knox	79.9

Parochial and private schools account for 1,216 or 66.1 per cent of kindergarten enrollment in non-district graded schools. Of the ten counties having parochial or private kindergartens, Jefferson County, with 18 parochial or private schools, accounts for 586 or 48.2 per cent of kindergarten enrollment.

Geographic distribution of kindergarten enrollment in non-district graded schools by county and educational development districts (EDDs), is shown in Map-Chart B.

The total enrollment in all types of graded schools for the school year 1971-72 is 7,573 or 8.8 per cent of total first grade enrollment. Of this total, public school districts enrolled 5,733, or 75.7 per cent; and non-district graded schools, 1,840 or 24.3 per cent.

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(1) Appalachian Boundary

**49 County
Appalachian Region**

TABLE 5

ENROLLMENT IN KINDERGARTEN PROGRAMS IN NON-DISTRICT GRADED SCHOOLS
IN KENTUCKY, BY COUNTIES, SCHOOL YEAR 1971-72¹

County	School	Grades	Enrollment		
			K-Only	1st Gr.	Total
EDD Region 1					
Calloway	Murray University Training	K-6	30	30	203
EDD Region 2					
Hopkins	Immaculate Conception	K-6	20	22	118
Caldwell	St. Paul	K-8	20	6	67
Christian	Jackson (Fort Campbell)	K-5	97	125	749
	Lincoln (Fort Campbell)	K-5	87	107	565
	Marshall (Fort Campbell)	K-5	71	114	541
TOTAL			295	374	2,040
EDD Region 3					
Daviess	St. Pius X	K-8	26	32	252
EDD Region 4					
Warren	Potter Orphan Home And School	K-8	4	--	46
EDD Region 5					
Hardin	Crittenberger	K-5	88	107	494
	Goldville	K-1	13	3	16
	Kingsolver	K-5	81	49	343
	Mudge	K-5	50	95	341
	Pierce	K-2	101	172	456
	Stevens	K-5	45	81	366
	Van Voorhis	K-5	104	96	556
TOTAL			482	603	2,572

1. Includes state, military, parochial, and private graded schools.

TABLE 5 (Continued)

County	School	Grades	Enrollment		
			K-Only	1st Gr.	Total
EDD Region 6					
		--	--	--	--
EDD Region 7					
Kenton	Redwood	K & Sp. Ed.	8	--	73
EDD Region 8					
Jefferson	Evangel	K-5	88	8	108
	Louisville Country Day	K-6	21	18	133
	Our Lady of Lourdes	K-8	44	49	525
	St. Agnes	K-8	32	46	513
	St. Albert the Great	K-8	40	41	486
	St. Barnabas	K-8	70	55	584
	St. Francis	K-6	26	33	237
	St. Gabriel	K-6	48	57	381
	St. Pius X	K-8	48	63	646
	ABC Private	K-4	18	2	25
	Holy Cross	K-8	26	--	227
	Holy Spirit	K-8	28	31	380
	Louisville Collegiate	K-7	6	19	100
	Louisville Jewish Day	K-6	11	12	61
	St. Joseph Home	K-4	8	10	49
	Sacred Heart Model	K-8	16	25	172
	St. Benedict	K-4	30	8	83
	St. Leonard	K-8	26	19	256
TOTAL			586	496	4,966

TABLE 5 (Continued)

County	School	Grades	Enrollment		
			K-Only	1st Gr.	Total
EDD Region 9					
Rowan	University Breckinridge	K-6	36	36	283
EDD Region 10					
Boyd	St. Paul Lutheran	K-6	19	6	62
EDD Region 11					
Johnson		--	10	--	--
EDD Region 12					
Breathitt	Riverside Christian Training	K-6	4	10	46
EDD Region 13					
		--	--	--	--
EDD Region 14					
Adair	Lindsey Wilson Training School	K-3	12	3	22
EDD Region 15					
Boyle	Kentucky School for the Deaf	K-8	116	11	291
Franklin	Capital Day School	K-8	36	18	121
TOTAL			152	29	412
EDD Region 16					
Madison	Model Laboratory School	K-6	40	52	354
EDD Region 17					
Fayette	Christ the King	K-8	30	57	430
	Sayre School	K-6	46	33	302
	The Lexington School	K-6	60	23	205
TOTAL			136	113	937
COMBINED TOTALS			1,840	1,784	12,268

PART III

PRIVATE KINDERGARTEN AND NURSERY SCHOOLS

Austerity programs that decimated public school kindergarten enrollment starting in 1956 were counterbalanced somewhat by a rapid increase in development of private kindergartens under the Department of Education and the establishment of a program for the licensing of day-care centers under the Department of Child Welfare.

Formal recognition and approval of the new development to provide for some of the essential needs of children under six was first provided through legislation enacted by the General Assembly in 1956. The activities leading to the establishment of the private kindergarten and nursery school program under the direction of the State Department of Education is summarized in the State Superintendent's Biennial Report for 1955-57:

Through the efforts of the Kentucky Division of the American Society of University Women, the first law in the state regulating private pre-school centers was passed by the 1956 Kentucky General Assembly. In accordance with the law, the Superintendent of Public Instruction, Dr. Robert R. Martin, appointed an advisory board to devise regulations and application forms governing the operation of child care centers. These regulations were recommended to, and adopted by, the State Board of Education. The Supervisor of Attendance and Pupil Personnel in the Division of Instructional Services was appointed to direct this work throughout the state.

The purpose of this program is to provide for the safety of children and raise the standards for programs, facilities and equipment in private child-care centers.

During the first year of supervision under the State Department of Education, 173 child care centers were listed. Seventy-two applications for kindergarten and nursery schools were received. Thirty-three regular permits and 59 provisional permits were issued after the centers were visited by a staff member from the Division of Instructional Services.

A Handbook for teachers of pre-school children was prepared and published as the July, 1957 Educational Bulletin. This bulletin gives philosophy of working with pre-school children, with practical suggestions for programs, and equipment and materials.

There is an increased interest in meeting the standards and regulations by those starting new kindergartens and nursery schools.¹

The 1956 law governing child-care centers included all privately operated organized groups for children under six. The term "child-care center" included kindergartens, nursery schools and day-care centers. Operational plans for implementing the 1956 law is described in the state bulletin referred to in the Superintendent's Report.²

Since the purpose of the kindergarten-nursery school program is mainly for education and the day-care program is chiefly for the care of children, legislation was enacted in 1962 that placed the responsibility for licensing day-care centers with the Department of Child Welfare leaving the responsibility for kindergartens-nursery schools with the Department of Education. During the same year the position of Supervisor for this program was made a full-time responsibility. In 1965 the Regulations were revised and adopted by the State Board of Education in accordance with the revised law and for upgrading the standards.

The Department of Education issues Provisional and Regular permits according to State Board Regulations. A Permit indicates that an evaluation has been made through study of the application and/or a visit to the school. The facilities are inspected by the State Fire Marshal and the sanitarian of the local Health Department for the health and safety of children.

1. Superintendent of Public Instruction, Biennial Report, 1955-57, (Frankfort: State Department of Education, December, 1957) p. 799.

2. _____, Pre-School Education in Kentucky, (Frankfort: State Department of Education, Vol. XXV, No. 7, July, 1957), 72 pp.

The expansion of the private kindergarten and nursery programs placed under the State Board of Education is traced through three avenues of growth: (1) number of permits and sponsorship, (2) enrollment and teachers, and (3) level of professional training

Permits and Sponsorship

Minimum and desirable standards for the operation of kindergarten and nursery schools by independent agencies are set forth in State Board of Education regulations which define two program levels: (1) a regular permit which meets all requirements of statutes and State Board regulations, and (2) a provisional permit with intentions of qualifying for regular permit within a three year period. The current five-year span of development from 1960 to 1965 shows significant growth when compared to the initial year as well as continued expansion for the five-year period, 1960 to 1965.

Table 6

PRIVATE KINDERGARTEN: PERMITS AND SPONSORSHIP

Year	No. of Permits Issued				Sponsorship		
	Regular	Provisional	Total	% increase (base year)	Private	Church	Other
1956-57	33	39	72	100.0%	41	23	8
1960-61	101	74	175	243	78	70	27
1961-62	102	87	189	263	86	78	25
1962-63	107	75	182	253	69	91	22
1963-64	115	101	216	300	80	106	30
1964-65	123	107	230	319	82	118	30

In all cases, the regular and provisional permits are restricted to providing "educational experiences for four or more children, between the ages of three and six years." It will be noted that growing concern for this age group under private and church sponsorship is reflected in an increase of 158 new units, or 319 per cent which were established from 1956-57 to 1964-65.

The impact of cooperative effort in developing and implementing the new provisions set forth in the above State guides has helped materially in upgrading the kindergarten program and stimulating development. A continuation of Table 6 reveals the accumulated effects of a planned approach to the development of kindergartens from 1965 to 1972.

TABLE 6 (Continued)

Year	NEW PERIOD OF EXPANSION				Sponsorship		
	No. of Permits Issued				Private	Church	Other
	Regular	Provisional	Total	% increase			
1965-66	129	126	255	354%	92	137	26
1966-67	124	129	253	351	93	143	17
1967-68	124	104	228	317	87	129	12
1968-69	141	101	242	336	85	146	11
1969-70	153	94	247	343	82	143	22
1970-71	197	88	285	396	75	175	35
1971-72	223	124	347	482	121	195	31

In the three periods of planned expansion under the State Board of Education, the number and percentage increase in new permits issued to sponsoring groups are shown in the following summary:

Period	Private	Church	Other	Total	Increase
				No.	%
1957-1961*	37	47	19	103	143%
1961-1965	4	48	3	55	76
1965-1972	39	77	1	117	163
1957-1972	80	172	23	275	382

* Base year, 1956-57

Revealing a more consistent growth pattern from 1956-57 to 1971-72, church sponsorship accounted for 172 permits, or 63 per cent of total growth. Other new development includes: private sponsorship, 80 or 29 per cent; and other applicants, 23 or 8 per cent.

Pupil Enrollment and Teaching Staff

The second significant area of growth in tracing the development of private kindergarten and nursery schools in Kentucky is pupil enrollment and teacher characteristics.

The establishment of new units under private and church sponsorship tended to strengthen the limited public school effort by extending the opportunity for planned pre-school experiences to many more children. New State Statutes and State Board regulations administered by supervisory personnel of the State Department of Education provided essential safeguards of quality as well as accelerating the growth of the program. Development from 1956-57 to 1971-72 is shown in Table 7.

TABLE 7

PUPIL ENROLLMENT AND TEACHING STAFF

Year	Enrollment			Teachers by Level of Training				Pupil-Teacher Ratio
	K'garten	Nursery	Total	Degree	Two Years	Less than two Yrs.	Total	
1956-57	2216	--	2216	53	43	52	148	15
1960-61	5365	--	5365	129	88	134	351	15
1961-62	5796	--	5796	123	104	155	382	15
1962-63	5099	633	5732	108	116	135	359	16
1963-64	5851	952	6803	133	116	173	422	16
1964-65	6455	986	7411	139	116	194	449	17
1965-66	7416	818	8234	168	114	201	483	17
1966-67	7698	647	8345	137	133	161	431	19
1967-68	8118	1496	9614	163	108	157	428	22
1968-69	7927	2441	10368	159	169	227	555	18
1969-70	9245	1806	11051	213	169	238	610	18
1970-71	9704	2228	11932	267	173	238	678	17
1971-72	10484	3079	13563	283	208	276	767	17

The interest of citizens in collective action to provide pre-school experiences through private and church sponsorship is manifested in the rapid increase of total enrollment in kindergarten and nursery school programs from 2,216 in 1956-57 to 13,563 in 1971-72, an increase of 612 per cent. Kindergarten enrollment only increased at an average rate of 39 per cent per year and 473% from 1957 to 1972. Available data on nursery schools reveal an enrollment of 633 children in 1962-63 and 3,029 in 1971-72, an increase of 2,396 or 379 per cent.

In terms of average pupil-teacher ratio, additional teachers were recruited at approximately the same rate as enrollment growth with the exception of 1966-67 and 1967-68 which show pupil-teacher ratios of 19 and 22 respectively.

The analysis of the three stated levels of teacher preparation reveals the following percentage distribution for the "average" year:

- degree teacher, 33.9 per cent with variability of 10 per cent--29 per cent in 1968-69, and 39 per cent in 1970-71.
- two-years training, 27.5 per cent with a range of 8 per cent--from 24 per cent in 1965-66 to 32 per cent in 1962-63.
- less than two-years, 38.6 per cent with variability of 8 per cent--from a low of 35 per cent in 1956-57, and a high of 43 per cent in 1964-65.

A detailed analysis including a more specific definition of "teacher preparation levels" for the period 1956-57 to 1971-72 is shown in Table 8.

TABLE 8

LEVEL OF TRAINING FOR PRIVATE KINDERGARTEN TEACHERS, 1960 TO 1972

Year	Increase in Number of Teachers by Level of Educational Attainment															Total Teachers
	Master's Degree	Bachelor's Degree		Semester Hours								H. S.		No.	%	
		No.	%	64-128		32-63		18-31		17 or less		No.	%			
				No.	%	No.	%	No.	%	No.	%					
1956-57	3	33	50	42	43	49	16	53	7	35	9	31	20	36	148	42
1960-61	9	100	120	100	88	100	30	100	20	100	29	100	55	100	351	100
1961-62	7	78	116	97	104	118	45	150	15	75	38	131	57	104	382	109
1962-63	8	89	100	87	116	132	35	117	23	115	29	100	48	87	359	102
1963-64	10	111	123	103	116	132	39	130	21	105	43	148	70	127	422	120
1964-65	12	133	127	106	116	132	52	173	25	125	42	145	75	136	449	128
1965-66	13	144	155	129	114	130	51	170	27	135	45	155	78	142	483	138
1966-67	10	111	127	106	133	151	32	107	28	140	37	128	64	116	431	123
1967-68	14	156	149	124	108	123	32	107	29	145	31	107	65	118	428	122
1968-69	14	156	145	121	169	192	49	163	29	145	45	155	104	189	555	158
1969-70	18	200	185	154	169	192	45	150	41	205	37	128	115	209	610	174
1970-71	28	311	239	199	173	197	56	187	47	235	38	131	97	176	678	193
1971-72	32	356	251	209	208	236	46	153	48	240	53	183	129	235	767	219

*base year

TABLE 9

EXTENT OF PRIVATE KINDERGARTEN AND NURSERY SCHOOL PROGRAM,
BY KENTUCKY COUNTIES, SCHOOL YEARS 1964-65 AND 1971-72

County (as geographic unit)	Enrollment and Number of Teachers					
	Kindergarten		Nursery Schools		Teachers	
	64-65	71-72	64-65	71-72	64-65	71-72
<u>EDD Region 1</u>						
Ballard	7	25	--	--	1	1
Calloway	94	98	--	44	5	7
Carlisle	14	14	--	2	1	1
Fulton	26	29	--	--	1	2
Graves	58	79	--	--	2	2
Hickman	--	18	--	--	--	1
Marshall	67	95	30	77	3	7
McCracken	244	275	37	140	15	22
TOTAL	510	633	67	263	28	43
<u>EDD Region 2</u>						
Caldwell	24	28	--	--	1	2
Christian	91	116	21	26	9	9
Hopkins	104	189	9	19	8	17
Muhlenberg	93	100	--	--	6	7
Todd	--	27	--	--	--	1
Trigg	23	20	--	--	1	1
TOTAL	335	480	30	45	25	37
<u>EDD Region 3</u>						
Daviess	197	336	36	178	14	31
Hancock	15	59	--	--	1	2

TABLE 9 (Continued)

County (as geographic unit)	Enrollment and Number of Teachers					
	Kindergarten		Nursery Schools		Teachers	
	64-65	71-72	64-65	71-72	64-65	71-72
Henderson	119	249	28	57	8	20
McLean	--	20	--	--	--	2
Ohio	--	32	--	--	--	2
Union	--	18	--	--	--	2
Webster	43	33	--	12	3	2
TOTAL	374	747	64	247	26	61
EDD Region 4						
Allen	--	10	--	--	--	1
Barren	33	67	--	38	2	7
Monroe	12	14	--	--	1	1
Simpson	31	49	--	10	2	4
Warren	72	266	70	80	7	15
TOTAL	148	406	70	128	12	28
EDD Region 5						
Grayson	--	30	--	--	--	2
Hardin	112	142	18	--	9	5
Marion	53	30	--	--	2	1
Meade	29	20	--	--	2	1
Washington	20	32	--	--	1	1
TOTAL	214	254	18	1	14	10
EDD Region 6						
Bullitt	29	61	--	--	3	4
Henry	--	25	--	32	--	1

TABLE 9 (Continued)

County (as geographic unit)	Enrollment and Number of Teachers					
	Kindergarten		Nursery Schools		Teachers	
	64-65	71-72	64-65	71-72	64-65	71-72
Oldham	12	67	--	--	1	5
Shelby	28	62	6	14	3	3
Spencer	--	11	--	8	--	1
TOTAL	69	226	6	54	7	14
EDD Region 7						
Boone	127	316	--	20	6	14
Campbell	107	213	12	48	5	11
Kenton	280	814	--	170	10	35
Owen	13	12	--	--	1	1
TOTAL	527	1,355	12	238	22	61
EDD Region 8						
Jefferson	2,206	3,489	523	1,436	180	300
EDD Region 9						
Bath	--	9	--	--	--	1
Fleming	--	27	--	--	--	1
TOTAL	--	36	--	--	--	2
EDD Region 10						
Boyd	138	159	--	--	7	6
Carter	10	16	--	--	1	1
Greenup	27	75	--	36	2	7
TOTAL	175	250	--	36	10	14
EDD Region 11						
Floyd	25	48	--	--	1	3

TABLE 9 (Continued)

County (as geographic unit)	Enrollment and Number of Teachers					
	Kindergarten		Nursery Schools		Teachers	
	64-65	71-72	64-65	71-72	64-65	71-72
Johnson	35	14	--	--	2	1
Pike	30	15	--	--	2	2
TOTAL	90	77	--	--	5	6
EDD Region 12						
Lee	8	7	6	--	2	1
Letcher	35	36	--	--	2	2
Perry	45	34	--	--	3	2
TOTAL	88	77	6	--	7	5
EDD Region 13						
Bell	39	68	1	--	3	6
Harlan	52	28	--	--	4	2
Knox	8	46	14	25	1	5
Laurel	34	32	--	--	2	2
Rockcastle	--	14	--	--	--	1
Whitley	20	14	--	--	1	1
TOTAL	153	202	15	25	11	17
EDD Region 14						
Pulaski	67	109	--	16	4	7
Taylor	41	40	--	--	3	3
TOTAL	108	149	--	16	7	10
EDD Region 15						
Anderson	15	22	--	--	1	1
Bourbon	30	46	--	22	2	2

TABLE 9 (Continued)

County (as geographic unit)	Enrollment and Number of Teachers					
	Kindergarten		Nursery Schools		Teachers	
	64-65	71-72	64-65	71-72	64-65	71-72
Boyle	61	116	7	54	5	11
Franklin	97	173	28	68	7	14
Harrison	30	40	--	--	1	1
Jessamine	--	55	--	--	--	5
Mercer	24	45	--	2	1	3
Scott	37	60	7	9	3	3
Woodford	47	58	12	33	4	7
TOTAL	341	615	54	188	24	47
EDD Region 16						
Clark	111	159	--	--	8	8
Estill	25	29	--	--	2	1
Garrard	47	44	--	--	2	3
Madison	35	71	10	29	3	8
TOTAL	218	303	10	29	15	20
EDD Region 17						
Fayette	823	1,185	111	374	50	92
COMBINED TOTALS						
	6,379	10,484	986	3,079	443	767

Gains accomplished by the Kentucky Association on Children Under Six working cooperatively with the Department of Education were: kindergarten enrollment increased by 4,105 or 64 per cent; nursery school enrollment, 2,093 or 212 per cent, and the teaching staff, 324 or 73 per cent.

The early leaders of the private kindergarten movement in Kentucky exemplified great patience and consistency of effort in working closely with the public and the State Department of Education to advance the cause of Early Childhood Education. The authors and editing committee of the 1950 Kindergarten Guide under the leadership of Miss Louise Combs, State Department of Education, expressed their ultimate expectations of dedicated effort in these words:

The Kindergarten is a growing thing. Like the children for whom it is set up, the only thing constant about it is change. The Kindergarten, like the children, will grow, adjust, meet new situations, develop new ideas, and experiment with new trends and plans.

This Kindergarten Guide, too, is a growing thing. It is a point of departure. It is a suggestion for a starting point. It will need constant revision and supplementation. It cannot be taken literally. It should be used as just what it is . . . a guide . . . to the establishment of a situation where young children may find materials, equipment, and guidance to aid them in their growth and general development.³

Again in 1956, the cooperative influence of the private sector and the support of organizations and agencies representing public education led to the passage of the first law in the State regulating private pre-school centers. A key factor in this historic achievement was the strong cooperative effort spearheaded by the Kentucky Association on Children Under Six, (see Map-Chart C, D, E for organization and accomplishments).

Implications of this far-reaching legislation are set forth in the Foreword to the 1957 Kindergarten Guide as follows:

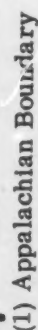
The purpose of this law, which was initiated by the American Association of University Women, and through whose efforts the law was passed, is to provide a more adequate program for preschool children. It is only through the cooperation of those responsible for private preschool centers that the provisions of this law can be effective.

3. Superintendent of Public Instruction, A Kindergarten Guide, (Frankfort: State Department of Education, Vol. XVIII, No. 7, September, 1950), 64 pp.

KENTUCKY ASSOCIATION ON CHILDREN UNDER SIX



Regions K'garden

314

School Year 1971-72.

PART IV

HEAD START CHILD DEVELOPMENT PROGRAM

Project Head Start in Kentucky, launched in the Summer of 1965, gained momentum rapidly as it expanded into a full-range of diversified programs for the economically dis-advantaged pre-school child. Before the first summer project had run its course of eight weeks, the program had earned year-round status in the anti-poverty arsenal. In retrospect, it is generally agreed that few Federal programs over the years have been accorded such overwhelming acceptance at all levels by health, education and child welfare agencies.

The State Program for Head Start Child Development is under the direction of the Kentucky Office of Child Development, U. S. Department of Health, Education and Welfare. Coordination and related planning for the program by the Kentucky Department of Education is provided through the Bureau of Instruction and the Office of Planning and Research. The program is innovative in concept and unique in the following ways: 1) it reflects a basic philosophy calling for an interdisciplinary approach to child development problems, 2) it offers a full-range of planned support programs, and 3) it provides for continuity in child development through multi-level programs.

Interdisciplinary Approach

The problems of poverty are numerous and varied, occur early and late, are casual and symptomatic in nature, and tend to respond very slowly to stereotyped solutions. Clearly the persistent needs call for a long-range program and mobilization of total resources. According to the Program Manual,¹ all Head Start Programs are built around the concept

1. Bureau of Head Start and Early Childhood. A Manual of Policies and Instruction (Washington: Office of Child Development, U. S. Department of Health, Education and Welfare, 1967).

of cooperative involvement. While many agencies, organizations, and specialists provide vital services, parents are recognized as the most important contributors to the child's development. To increase their ability to help their children, parents are involved directly in many aspects of the program. Special assistance is made available by consultants through the Head Start Child Development Center staff in areas such as social services, health, nutrition, and early childhood development.

An essential requirement in developing a Head Start Program is recruiting and training a staff for the local Child Development Centers. In Kentucky, 289 Child Development Centers were operational in 1972.² The number and type of personnel serving in these centers is as follows:

<u>Type</u>	<u>Number</u>	<u>Average Per Center</u>
Paid professionals	586	2.0
Paid neighborhood residents	1,592	5.5
Volunteer residents	26,088	90.3
Other volunteers	676	2.3

Descriptive data for Head Start Programs with summaries by counties and EDDs regions for 1971-72 are shown in Table 10 at the close of this section.

Diversified Programs and Services

Several types of programs are identified as Head Start:

- 1) Two general programs which are differentiated largely by length of term:
 - a) Summer Head Start programs operate for the most part during regular school vacation. They are only for children who are eligible for kindergarten or first grade, and will be attending school for the first time in the fall... The minimum length of a summer program is 120 hours. The minimum length of the weekly program is 15 hours... Grant funds normally remain available for an entire year.³

2. Data compiled by Kentucky Head Start Office (Frankfort:Kentucky OCD, 1972)

3. Head Start Manual, op. cit., p. 4.

In the start-up program for the Head Start Project in Kentucky, summer of 1965, a total of 24,869 children were enrolled in 95 of Kentucky's 120 counties. A distribution of the initial program enrollment by counties is shown in Map-Chart F from the 1965 Report. Further, the awareness impact and high level of interest in pre-school education in general and Head Start in particular is revealed in a brief summary report by the Department of Education which stated, in part:

Great anxiety was manifested by many local boards of education and community action committees in the Spring of 1965 as to whether they could meet deadlines for filing applications for Project Head Start. The final result to the pleasant surprise of many educators and parents was 114 projects well distributed across the state.⁴

The review of the current Head Start programs summarized by sponsoring agencies and regions in Table 10 reveals a strong preference for full-year programs supplemented by summer programs when funds are available.

b) Full-Year Head Start Programs. The OEO Manual of Policies and Instructions states:

Programs may operate for periods of up to twelve months for either a part day or a full day. The minimum length of a full year program is eight months, of at least 15 hours a week.

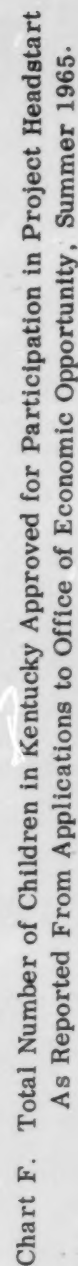
... Full-year programs are primarily for children from age 3 up to the age when the child enters the school system but may include some younger children. Younger children may occasionally be included in Head Start programs designed to meet day care needs.⁵

Analysis of the 1972 Head Start data reveals that Full-Year Head Start programs accounted for approximately 75 per cent of total enrollment. Program grants were made to 36 sponsoring agencies serving one or more local school districts. Of the total

4. Research Bulletin: Pre-Elementary Education in Kentucky, (Frankfort: Department of Education, September, 1965).

5. Head Start Manual, op. cit., pp. 4,7.

Appalachian Counties	43 of 49
Non-Appalachian Counties	47 of 71



sponsoring agencies, 20 were local boards of education and 16 were joint inter-district or multi-county community action programs. A summary of sponsoring agencies and source of funds is shown in Table 10.

2) Day Care Services in Head Start Programs

The most comprehensive program in the Head Start arsenal is Day Care Services. Basic goals for the program as set forth in the Project Manual are as follows:

When a Head Start program is operated for more than six hours a day it is considered a Head Start day care program, since it is then supplementing parental care beyond the desirable duration of an educational or enrichment program. In these cases the basic program should be supplemented to take care of a child. When his parents cannot provide for his care and supervision at home throughout the day beyond the help provided by the child's attendance at the usual Head Start program. The center enters into the area of a service which is needed for some important reason, even though it would otherwise be desirable for a child to return to his own family for the remainder of the day.

In 1972, a Federal grant through the Kentucky Head Start Office was made to the Kentucky Youth Research Center, Incorporated to conduct a Rural Child Care Project. The eleven southeastern counties served by this project are located in four EDD Regions as follows: Elliott (10), Floyd and Magoffin (11); Knott, Lee, Letcher, Owsley, and Wolfe (12); and Jackson and Clay (13). In Table 11, the sponsoring agency and grant funds for the total project are shown under Region 12. Descriptive program data for the eleven counties are listed under appropriate regions.

TABLE 10

**A SUMMARY OF HEAD START PROGRAMS IN KENTUCKY BY APPLICANT AGENCY
AND SOURCE OF GRANT FUNDS, 1972**

Applicant Agency	Total Federal Share	Total Non-Federal Share	Total Grant
Ashland Board of Education	\$22,330	\$23,968	\$46,298
Big Sandy Area Community Action Program	908,630	261,674	1,170,304
Boyle County Board of Education	28,603	7,086	35,689
Bullitt County Board of Education	24,671	6,682	31,353
Carroll County Board of Education	15,446	3,791	19,237
Caverna Board of Education	13,319	3,868	17,187
Central Kentucky Community Action Program	211,091	55,421	266,512
East Lake Cumberland Community Action Program	254,056	53,810	307,866
Fayette County Board of Education	285,954	73,894	359,848
Gallatin County Board of Education	11,989	2,896	14,885
Hardin County Board of Education	36,081	8,637	44,718
Harlan County Head Start	147,350	36,806	184,156
Harrison County Board of Education	25,000	6,992	31,992
Henderson-Union-Webster Council	104,575	32,270	136,845
Henry County Board of Education	14,288	4,768	19,056
Hopkins-Muhlenberg Community Action Council	192,114	47,338	239,452
Knox County Economic Opportunity Council	378,753	54,912	433,665
Laurel County Board of Education	132,037	55,741	187,778
Licking Valley Community Action Council	223,600	99,358	322,958
Lincoln County Board of Education	32,990	10,433	43,423
Mayfield Independent Schools	8,252	2,411	10,663

TABLE 10 (continued)

Applicant Agency	Total Federal Share	Total Non-Federal Share	Total Grant
Metcalfe County Board of Education	41,217	10,439	51,656
Mississippi River EOC	81,997	22,543	104,540
Monroe County Board of Education	44,260	11,693	55,953
Northeast Kentucky CAC	376,765	131,231	507,996
Oldham County Board of Education	11,000	4,155	15,155
Owensboro Independent Schools	206,590	60,134	266,724
Paducah School Head Start	228,987	58,203	287,190
Pennyrile Community Action Agency	180,150	71,646	251,796
Southern Kentucky EOC	349,426	120,528	469,954
West Lake Cumberland CAA	180,040	52,496	232,536
Williamstown Independent Board of Education	14,587	4,315	18,902
Louisville-Jefferson County Community Action Com.	1,154,212	340,398	1,494,610
Northern Kentucky Community Action Com.	192,242	48,060	240,302
Trimble County Board of Education	23,658	5,849	29,507
Kentucky Youth Research Center, Inc.	1,067,904	224,801	1,292,705
GRAND TOTAL	7,224,164	2,019,247	9,243,411

An analysis of Head Start Projects by applicant agencies, program characteristics, and EDD regions is shown in Table 11.

TABLE 11

A SUMMARY OF HEAD START PROGRAMS IN KENTUCKY BY SPONSORING AGENCIES AND
EDUCATIONAL DEVELOPMENT DISTRICTS (EDDs), SCHOOL YEAR 1971-72

EDD Regions Sponsoring Agency County	Children Per County	Children Overall A FDC	Classrooms Per County	Centers Per County	Profess- ionals Per County	Paid Residents Per County	Volunteer Residents Per County	Other Volunteers Per County	Total Federal Share	Total Non-Fed. Grant Share	Total
REGION I											
MAYFIELD IND. SCHOOLS											
Graves (Summer)	41	29	2	1	3	8	37	-	\$8,252	\$2,411	\$10,663
MISS. RIVER EOC											
Fulton	40	26	2	2	1	11	75	15	81,997	22,543	104,540
Hickman	20	10	1	1	-	4	40	7			
Carlisle	20	5	1	1	-	5	30	12			
PADUCAH SCHOOL HEAD START											
McCracken	204	80	11	3	15	38	3,874	-	228,987	58,203	287,190
TOTAL	325	150	17	8	19	96	4,056	34	319,236	83,157	402,393

TABLE 11 (continued)

EDAs Regions Sponsoring Agency County	Children Per County	Children Overall AFDC	Classrooms Per County	Centers Per County	Profess- ionala Per County	Paid Residents Per County	Volunteer Residents Per County	Other Volunteers Per County	Total Federal Share	Total Non-Fed. Share	Total Grant
REGION II											
HOP-MUH. CAC											
Hopkins	108	21	8	7	8	19	60		\$192,114	\$47,338	\$239,452
Muhlenberg	108	30	6	3	7	26	120				
PENNYRILE CAC											
Christian	160	56	8	2	10	24	8		180,150	71,646	251,796
Trigg	60	15	3	1	3	8	3				
TOTAL	436	122	25	13	28	77	191		372,264	118,984	491,248
REGION III											
HENDERSON-UNION- WEBSTER COUNCIL											
Henderson	40	8	2	2	4	7	20		104,575	32,270	136,845
Union	20	4	1	1	1	3	20				
Webster	40	8	2	2	2	5	20				
OWENSBORO CAC											
									206,590	60,134	266,724

TABLE 11 (continued)

EDDs Regions Sponsoring Agency County	Children Per County	Children Overall AFDC	Classrooms Per County	Centers Per County	Profess- ionals Per County	Paid Residents Per County	Volunteer Residents Per County	Other Volunteers Per County	Total Federal Share	Total Non-Fed. Share	Total Grant
Owensboro-Davless	198	70	11	8	11	28					
Ohio	60	25	3	3	3	6					
McLean	40	15	2	2	2	4					
Hancock	20	8	1	1	1	4					
TOTAL	418	138	22	19	24	57	60		311,165	92,404	403,569
REGION IV											
CAVERNA BOE											
Barren	18		1	1	3	5	3		13,319	3,868	17,187
Hart	36		2	1	3	5	4				
METCALFE CO. BOE*	150	24	8	3	12	25	50	10	41,217	10,439	51,656
MONROE CO. BOE	147		8	2	9	12	8	240	44,260	11,693	55,953
SOUTHERN KY. EOC											
Amen	92	12	5	3	8	22	30	10	349,426	120,526	469,954
Butler	100	20	6	4	8	27	150	15			
Logan	172	44	9	6	11	39	170	24			

*Summer Program

TABLE 11 (continued)

EDDs Regions Sponsoring Agency County	Children Per County	Children Overall AFDC	Classrooms Per County	Centers Per County	Profess- ionals Per County	Paid Residents Per County	Volunteer Residents Per County	Other Volunteers Per County	Total Federal Share	Total Non-Fed. Share	Total Grant
Edmonson	40	6	2	2	2	14	50	12			
Simpson	120	30	6	4	8	30	40	15			
Warren	241	50	13	6	15	48	180	55			
TOTAL	1,116	186	60	32	79	227	685	381	448,222	146,528	594,750
REGION V											
CENTRAL KY. COMM. ACTION											
Marion	53	29	4	3	4	11	12	2	211,091	55,421	266,512
Nelson	76	19	4	3	4	10	10	1			
Washington	56	9	3	3	4	9	13	4			
Larue	54	14	3	3	3	7	8	1			
HARDIN CO. BOE	153	95	8	6	12	24	16		36,081	8,637	44,718
TOTAL	392	166	22	18	27	61	64	8	247,172	64,058	311,230
REGION VI											
BULLITT CO. BOE	107		6	1	8	9	51	1	24,671	6,682	31,353

TABLE 11 (continued)

EDDs Regions Sponsoring Agency County	Children Per County	Children Overall AFDC	Classrooms Per County	Centers Per County	Profess- ionals Per County	Paid Residents Per County	Volunteer Residents Per County	Other Volunteers Per County	Total Federal Share	Total Non-Fed. Share	Total Grant
HENRY CO. BOE	60		3	1	3	3	6		14,288	4,768	19,056
OLDHAM CO. BOE	41		2	2	2	8	140	10	11,000	4,155	15,155
TRIMBLE CO. BOE	80		4	2	7	12	78		23,658	5,849	29,507
TOTAL	288		15	6	20	32	275	11	73,817	21,454	95,071
REGION VII											
CARROLL CO. BOE	72	11	4	1	6	21	4	8	15,446	3,791	19,237
GALLATIN CO. BOE	64	64	3	1	4	9	5		11,989	2,896	14,885
WILLIAMSTOWN BOE* Grant	529	10	1	1	1	1	14	1	14,587	4,315	18,902
NORTHERN KY. COMM. ACTION									192,242	48,060	240,302
Boone	30		2	1	2	6	20	20			
Campbell	50	20	3	1	3	6	30	30			
Kenton	80	40	4	1	4	7	60	30			
TOTAL	825	145	17	6	20	50	133	89	234,264	59,062	293,326

*Summer Program

TABLE 11 (continued)

EDDs Regions Sponsoring Agency County	Children Per County	Children Overall AFDC	Classrooms Per County	Centers Per County	Profess- ionals Per County	Paid Residents Per County	Volunteer Residents Per County	Other Volunteers Per County	Total Federal Share	Total Non-Fed. Share	Total Grant
REGION VIII											
LOUISVILLE-JEFF. CO. CAC	1,135	489	60	31	72	77	240	50	1,154,212	340,398	1,494,610
REGION IX											
LICKING VALLEY CAC ¹									223,600	99,358	322,958
Mason	36	9	2	1	2	5	12				
Maysville Ind.	36	5	2	1	2	5	40				
Bracken	18	4	1	1	1	2	7				
Robertson	18	5	1	1	1	3	9				
Montgomery	40	12	2	1	2	6	35				
Menifee	36	8	2	1	2	5	12				
Lewis	60	48	4	2	4	4	30				
Stark	20	20	1	1	-	1	25				
Rowan (Summer)	180	160	6	6	6	6	6	14			
Morehead Univ.	20	16	1	1	1	1	13	75			
Bath (Summer)	108	21	6	3	6	23	18				

1. See Region XV for Nicholas County data

TABLE 11 (continued)

EDDs Regions Sponsoring Agency County	Children Per County	Children Overall AFDC	Classrooms Per County	Centers Per County	Profess- ionals Per County	Paid Residents Per County	Volunteer Residents Per County	Other Volunteers Per County	Total Federal Share	Total Non-Fed. Share	Total Grant
Fleming (Summer)	108	16	6	1	6	25	16				
Morgan (Summer)	224 ¹	195	12	5	21	37	98	1			
TOTAL	904	519	46	25	54	123	321	90	223,600	99,353	322,953
REGION X											
ASHLAND BOE											
Boyd	60	27	3	3	3	6	210	32	22,330	23,968	46,298
BIG SANDY AREA CAP ²											
Lawrence	126	14	7	3	9	23	91	3			
NORTHEAST KY. CAC ³											
Carter	60	48	3	3	3	29			376,765	131,231	507,996
Elliott (Summer)	224 ¹	199	12	5	9	24	90	1			
Greenup (Summer)	386	381	21	13	23	23	36				
TOTAL	856	669	46	27	47	76	456	36	399,095	155,199	554,294

1. Includes 80 in Child Care Project

2. See Region XI

3. See Region IX for data on Lewis, Rowan and Morgan counties.

TABLE 11 (continued)

EDDs Regions Sponsoring Agency County	Children Per County	Children Overall AFDC	Classrooms Per County	Centers Per County	Profess- ionals Per County	Paid Residents Per County	Volunteer Residents Per County	Other Volunteers Per County	Total Federal Share	Total Non-Fed. Share	Total Grant
REGION XI											
BIG SANDY AREA											
CAP											
Floyd	524 ¹	204	25	15	27	105	160	3	908,630	261,674	1,170,304
Magoffin	284 ¹	94	16	8	14	45	85	2			
Martin (Summer)	234	154	13	6	15	43	13	-			
Martin (Full-Year)	126	74	7	3	8	20	3	-			
Pike	472	76	25	20	31	49	10	25			
Johnson	126	22	7	5	10	19	7	1			
Paintsville Ind.	72	21	4	1	1	9	1	10			
TOTAL	1,838	645	97	58	106	290	279	41	908,630	261,674	1,170,304
REGION XII											
KY. YOUTH RESEARCH CENTER INC. -RURAL CHILD CARE PROJECT²											
Knott	98	66	5	3	-	20	94	3	1,067,904	224,801	1,292,705

1. Includes 80 in Child Care Project

2. See Regions IX, X, XI, XIII for other counties in Child Care Project.

TABLE 11 (continued)

EDDs Regions Sponsoring Agency County	Children Per County	Children Overall AFDC	Classrooms Per County	Centers Per County	Profess- ionals Per County	Paid Per County	Volunteer Residents Per County	Other Volunteers Per County	Total Federal Share	Total Non-Fed. Share	Total Grant
Lee	80	56	4	1	-	14	72	1			
Letcher	80	50	4	2	-	16	73				
Owsley	80	56	4	1	-	12	81	1			
Wolfe	80	57	4	2	-	17	74	2			
TOTAL	418	285	21	9	-	79	394	7	1,067,904	224,801	1,292,705

REGION XIIIHARLAN CO.
HEAD START

154	154	8	5		29	75	20		147,350	36,806	184,156
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Clay (Child Care)

140	95	7	5	1	17	140	2			(	) 1
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Jackson (Child Care)

60	41	3	3		12	60	1			(	) 1
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KNOX CO. ECONOMIC
OPPOR. COUNCIL

									378,753	54,912	433,665
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Knox (Summer)

468	67	26	11	30	102	323					
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Knox (Full-Year)

216	35	12	10	3	43	470					
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1. See Region XII for grant data

TABLE 11 (continued)

EDDs Regions Sponsoring Agency County	Children Per County	Children Overall AFDC	Classrooms Per County	Centers Per County	Profess- ionals Per County	Paid Residents Per County	Volunteer Residents Per County	Other Volunteers Per County	Total Federal Share	Total Non-Fed. Share	Total Grant
LAUREL CO. BOE	540	10	30	11	38	96	131		132,037	55,741	187,778
TOTAL	1,578	402	86	45	72	299	1,201	23	658,140	147,459	805,599
REGION XIV											
CENTRAL KY. COMM. ACTION											
Taylor	58	5	3	3	3	7	7				
EAST LAKE CUMBERLAND CAA	1,044	397	56	24	75	204	16,038		254,056	53,810	307,866
McCreary	255	105	14	6	18	58	5,200				
Clinton	92	29	5	1	8	21	1,200				
Wayne	212	81	11	4	14	45	3,206				
Monticello	51	17	3	1	6	11	830				
Pulaski	280	109	14	9	17	45	3,352				
Somerset	154	56	9	3	12	24	2,250				
WEST LAKE CUM- BERLAND CAA	306	61	17	10	17	40	308		180,040	52,496	232,536

TABLE 11 (continued)

EDDs Regions Sponsoring Agency County	Children Per County	Children Overall AFDC	Classrooms Per County	Centers Per County	Profess- ionals Per County	Paid Residents Per County	Volunteer Residents Per County	Other Volunteers Per County	Total Federal Share	Total Non-Fed. Share	Total Grant
Adair	40	17	2	1	2	6	35				
Casey	90	7	5	4	5	11	83				
Cumberland	70	16	4	3	4	9	67				
Green	46	14	3	1	3	7	58				
Russell	60	7	3	1	3	7	65				
TOTAL	1,408	463	76	37	95	251	16,355		434,096	106,306	540,402
REGION XV											
BOYLE CO. BOE	126		7	1	19	25	11		28,603	7,086	35,689
HARRISON CO. BOE	108	12	6	1	8	24	28	15	25,000	6,992	31,992
Nicholas	36	6	2	1	2	5	16				
TOTAL	270	18	15	3	29	54	55	15	53,603	14,078	67,681
REGION XVI											
LINCOLN CO. BOE	200	185	11	4	11	30	11	6	32,990	10,433	43,423

TABLE 11 (continued)

EDDs Regions Sponsoring Agency County	Children Per County	Children Overall AFDC	Classrooms Per County	Centers Per County	Profess- ionals Per County	Paid Residents Per County	Volunteer		Other Volunteers Per County	Total Federal Share	Total Non-Fed. Share	Total Grant
							Residents Per County	Per County				
REGION XVII												
FAYETTE CO. BOE	268	-	14	1	19	16	2,125	-	-	285,964	73,894	359,848

As revealed by breadth, depth, and uniqueness of services, the Rural Child Care Project is a composite of all Head Start resources assimilated in a single reinforcement package in order to focus more sharply on the hard-core problems besetting the disadvantaged child.

By way of summary, this comprehensive program is offered in 11 counties cutting across five EDD regions in Appalachian Kentucky. Of the 938 children enrolled, 638, or 68 per cent, qualify for Aid to Families of Dependent Children (AFDC). The total grant, including a non-federal share of \$224,801, is \$1,292,705--an average dollar cost of \$1,360 per child.

Continuity in Child Development Programs

Head Start is extended time-wise by two other programs under the direction of the Kentucky Office of Economic Opportunity:

- 1) Parent and Child Centers which are directed primarily to preventive measures for children younger than those generally enrolled in Head Start, and
- 2) Follow Through which is administered by the U. S. Office of Education in collaboration with the Office of Economic Opportunity. ⁶

A line-item summary of total Head Start program data by EDD regions is shown in Table 12.

6. Information on these programs may be obtained directly from the Kentucky OCD Program Office; or for Follow Through only from the Bureau of Instruction, Kentucky Department of Education.

TABLE 12

A SUMMARY OF HEAD START PROGRAMS IN KENTUCKY BY EDUCATIONAL DEVELOPMENTS DISTRICTS (EDDS), 1972

EDDs Regions Sponsoring Agency County	Children Per County	Children Overall AFDC	Classrooms Per County	Centers Per County	Profess- ionals Per County	Paid Residents Per County	Volunteer Residents Per County	Other Volunteers Per County	Total Federal Share	Total Non-Fed. Share	Total Grant
Region I	325	150	17	8	19	96	4,056	34	319,236	83,157	402,393
Region II	436	122	25	13	28	77	191	-	372,264	118,984	491,248
Region III	418	138	22	19	24	57	60	-	311,165	92,404	403,569
Region IV	1,116	186	60	32	79	227	685	381	448,222	146,528	594,750
Region V	392	166	22	18	27	61	54	8	247,172	64,058	311,230
Region VI	288	-	15	6	20	32	275	11	73,617	21,454	95,071
Region VII	825	145	17	6	20	50	133	89	234,264	59,062	293,326
Region VIII	1,135	489	50	31	72	77	240	50	1,154,212	340,398	1,494,610
Region IX	304	519	46	25	54	123	321	90	223,600	99,358	322,958
Region X	856	669	46	27	47	79	456	36	399,095	155,199	554,294
Region XI	1838	645	97	58	106	290	279	41	908,630	261,674	1,170,304
Region XII	418	285	21	9	-	79	394	7	1,067,904	224,801	1,292,705
Region XIII	1578	402	56	45	72	299	1,201	23	658,140	147,459	805,599
Region XIV	1408	463	76	37	95	251	16,355	-	434,096	106,306	540,402
Region XV	270	18	15	3	29	54	55	15	53,603	14,078	67,681
Region XVI	200	185	11	4	11	30	11	6	32,990	10,433	43,423
Region XVII	268	-	14	1	19	16	2,125	-	285,954	73,894	359,848
GRAND TOTAL	12,675	4,582	650	342	722	1,898	26,901	791	7,224,164	2,019,247	9,243,411

SUMMARY AND IMPLICATIONS

Currently in Kentucky there are four major sources of planning effort and support funds for early childhood education. These are: 1) public school districts using local funds and available Title I funds, 2) university training schools, military, parochial and private graded schools--all listed as "non-district," 3) private pre-school centers, and 4) Project Head Start.

Public Kindergartens

Interest in public kindergartens has been manifested by cities and towns operating a public school system from the early 1900s to the present. For the most part, the extent of development can be measured directly by the availability of local funds. The pattern is neither uniform nor consistent among school districts. Independent school districts in northern and central Kentucky have the best overall performance record.

From 1953, only 29 public school districts have provided a kindergarten program for one or more years. Twenty of the school districts are independent and nine are county districts. The lowest enrollment year was 1964-65, one per cent; and the highest enrollment in 1971-72, 8.8 per cent of first grade enrollment. Impact of Title I ESEA funds in 1971-72 is reflected in thirteen new and expanded school district programs. Total funding was provided for seven LEAs and six used partial Title I funds for a total investment of \$804,144 in grant funds to provide annual and/or summer programs for 2,257 kindergarten enrollment (Table 3).

Non-district Kindergartens

University laboratory schools, military, parochial and private graded schools

enrolled 1,840 or 24.3 per cent of total public and non-public graded school enrollment in 1971-72. Parochial and private graded schools accounted for 66.1 per cent of non-district enrollment with Jefferson County contributing 48 per cent.

Private Kindergartens

The most consistent state-wide planning and development program for providing organized kindergarten experiences in Kentucky from 1950 to the present was provided by the Kentucky Association on Children Under Six. In cooperation with the Kentucky Department of Education, legislation regulating child care centers was enacted in 1956. Guidelines for program operation are reviewed and updated at periodic intervals.

Enrollment in private kindergarten continues to increase--from 5,365 in 1960-61 to a high of 10,484 in 1971-72, or a gain of 95 per cent. (Table 7).

Comparable gains are shown in the level of training of private kindergarten teachers--129 degree teachers in 1960-61 to 283 in 1971-72--a gain of 154 teachers or 119 per cent. (Table 8).

Approximately three of five children enrolled in private kindergarten are in three EDD regions--Region 8(Jefferson County) 3,489, Region 17 (Fayette County) 1,185, and Region 7 (Northern Kentucky) 1,355 for a total of 6,029 or 57.5 per cent of total private enrollment of 10,484 in 1971-72. Increase in enrollment in the three major urban areas of the state from 1964-65 to 1971-72 was 2,473 or 69.5 per cent.

Summary of Factors Relating to Pupil Progress

In regular programs, graded or non-graded, normal progress is defined as completion of a given grade span in an equivalent number of years starting at age six. A summary of trends data on three general measures of pupil progress reveals the following patterns of development in Kentucky.

School Entrance Age

In 1955, non-membership (not seven) accounted for 33,392 of 69,291 6-year olds in the census--a delayed entrance level of 48.2 per cent. The five EDD regions in Appalachian Kentucky reported a combined non-membership of 59.8 per cent.

In 1970, the overall percentage of non-membership (not seven) for the state was 41.1 per cent--a reduction of 7.1 per cent from 1955. For the five EDD regions in Appalachia, the delayed entrance age (not seven) was 44.8 per cent; or a 15.0 per cent reduction from 1955. The higher incidence in 1955 tends to reflect the adverse physical, and socio-economic conditions of the early period.

It is assumed that expanded kindergarten opportunities will accelerate the trend toward normal pupil progress for all areas of the state.

Pupil Retention

The state data on retention rate at the first and second grade levels show slight variation from 1961-62 to 1970-71; the middle year percentage for first grade (1967) was 14.98 per cent, and for second grade, 7.17 per cent. Starting with the third grade, through the eighth grade percentages are consistently lower in recent years (Table 18).

Total retention for the 10-year span in high school, grades (9-12), is highest for ninth grade, an average of 7.7 per cent per year from 1961 through 1971.

The critical school years for Kentucky children and youth are first grade and ninth grade. Approximately one of seven first grade enrollees are faced with retention and repeating the grade. The pattern shows a slight downward trend from 14.6 per cent in 1961-62 to 13.4 per cent in 1970-71. A critical transition gap also exists at the ninth grade. The ten-year average state rate of 4.3 per cent at eighth grade level rises sharply to a 7.7 per cent at average ninth grade level (Table 18).

Holding Power

The large enrollment in the first grade in the late Forties and early Fifties reflects both a high birth rate and a prevailing high retention rate for these years. Second grade survival ratios below the 800 per 1,000 level prevailed as late as 1951-52, (Appendix D). Improved holding power starting in the Sixties is reflected in the progression of public first grade enrollment to 12th grade enrollment at five year intervals as follows:

<u>Entry Year</u>	<u>Grade 1</u>	<u>Grade 2</u>	<u>Grade 4</u>	<u>Grade 8</u>	<u>Grade 12</u>
1944-45	1,000	618	582	428	214
1949-50	1,000	761	703	561	323
1954-55	1,000	848	797	706	468
1959-60	1,000	894	815	769	562

The above data do not include non-public school enrollment.

With existing levels of kindergarten enrollment advanced materially by state-supported kindergartens in the future, it is expected that combined gains will accelerate the trend toward maximum educational opportunity for all Kentucky children and youth.

In keeping with the higher incidence of persistent problems in the (49) Appalachian Counties, the following research findings by the Appalachian Regional Commission help to point up critical areas of concern and potential benefits of early childhood education in Kentucky.

Current research continues to substantiate the fact that the earliest years of childhood, from at least age two to five, are the most important years in the mental, emotional, physical, and social development of the child.

- The amount and types of stimulation and experiences to which a child is exposed before the age of five or six patterns his whole future development and potential.
- Prolonged deprivation of stimulation and experience during these years not only retards the intellectual development of the child, but may cause irreparable damage.
- The importance of these early experiences in the development of the child should not be underestimated.
- A child who has never acquired the basic skills of learning will find only increasing difficulty, frustration and failure with learning later skills.
- Each year that pre-school programs are delayed, these disadvantaged children are left further behind.¹

1. Early Childhood Education for Appalachia, Washington: Education Advisory Committee, Appalachian Regional Commission, p. 16.



APPENDIX A
KINDERGARTEN ENROLLMENT IN PERSPECTIVE
FIFTY-STATES-1970

TABLE 13

PUPILS ENROLLED IN FULL-TIME PUBLIC ELEMENTARY AND SECONDARY
DAY SCHOOLS, KINDERGARTEN AND FIRST GRADE: FALL 1970

States by Regions	Kindergarten	First Grade	Kindergarten as % of First Grade
UNITED STATES	2,557,394	3,310,178	67.1
NORTH ATLANTIC	802,170	887,913	90.3
Connecticut	57,625	55,410	104.0
Delaware	7,730	11,368	68.0
Maine	20,193	19,857	101.7
Maryland	64,133	67,151	95.5
Massachusetts ¹	65,752	98,731	66.6
New Hampshire	5,216	14,936	34.9
New Jersey	125,521	,302	106.1
New York	267,000	279,626	95.5
Pennsylvania	159,600	185,900	85.9
Rhode Island	14,912	14,198	105.0
Vermont	3,855	8,466	45.5
District of Columbia	12,508	13,632	91.8
GREAT LAKES AND PLAINS	985,557	1,028,884	95.8
Illinois	184,914	186,776	99.0
Indiana	81,246	102,985	78.9
Iowa	50,747	49,890	101.7
Kansas	36,681	36,135	101.5
Michigan	198,445	183,178	108.3
Minnesota	64,894	67,418	96.3
Missouri	74,061	89,572	82.7
Nebraska	24,000	24,270	98.9
North Dakota	2,569	11,358	22.6
Ohio	175,302	190,666	91.9
South Dakota	9,357	12,272	59.1
Wisconsin	83,341	74,364	112.1

1. Excludes vocational schools not operated as part of the regular public school system.

TABLE 13 (continued)

States by Regions	Kindergarten Kind	First Grade	Kindergarten as % of First Grade
SOUTHEAST	146,571	925,010	15.8
Alabama	1,698	78,843	2.2
Arkansas	*	42,853	*
Florida	47,211	119,635	39.5
Georgia	13,612	103,696	13.1
Kentucky	4,246	69,829	6.1
Louisiana	25,542	77,796	32.8
Mississippi	349	51,170	0.7
North Carolina	7,499	104,742	7.2
South Carolina	6,163	58,847	10.5
Tennessee	13,140	87,431	15.0
Virginia	25,732	93,954	27.4
West Virginia	1,385	36,214	3.8
WEST AND SOUTHWEST	623,090	968,371	64.3
Alaska	5,457	7,235	75.4
Arizona	13,017	38,218	34.1
California	335,975	363,610	92.4
Colorado	38,174	41,297	92.4
Hawaii	13,810	14,346	96.3
Idaho	*	15,066	*
Montana	3,333	13,812	24.1
Nevada	9,410	11,107	84.7
New Mexico	3,196	25,226	12.7
Oklahoma	33,053	51,473	64.2
Oregon	9,565	37,599	25.4
Texas	79,500	256,700	31.0
Utah	21,170	22,375	94.6
Washington	52,784	63,824	82.7
Wyoming	4,646	6,483	71.7

Source: Richard H. Barr and Betty J. Foster. Fall 1970 Statistics of Public Elementary and Secondary Day Schools: Pupils, Teachers, Instruction Rooms, Buildings, Schools, and Expenditures. U. S. Department of Health, Education, and Welfare, Office of Education. Washington, D. C. : U. S. Government Printing Office, March 1971. pp. 18-19.

APPENDIX B
TABLES AND CHARTS RELATING TO NON-MEMBERSHIP
SIX-YEAR OLDS

TABLE 14

NUMBER AND PER CENT OF CENSUS-AGE CHILDREN
IN NON-MEMBERSHIP (UNDER STATUTORY LEGAL AGE-NOT SEVEN),
BY COUNTIES, FOR CENSUS YEARS 1955, 1960, 1964, 1970

Total County (geographic unit)	April, 1955				April, 1960				April, 1964				April, 1970			
	6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.	6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.	6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.	6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.	6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.	
EDDs DIST. 1																
Ballard	206	97	47.1	169	48	28.4	155	68	43.9	106	68	64.1				
Carlisle	110	57	51.8	97	49	50.5	101	49	48.5	73	37	50.7				
Calloway	365	172	47.1	309	129	41.7	331	148	44.7	396	146	36.9				
Fulton	243	140	57.6	237	117	49.4	174	144	82.8	174	104	74.8				
Graves	623	328	52.6	515	213	41.4	507	233	46.0	493	242	49.1				
Hickman	127	50	39.4	111	53	47.7	105	43	41.0	118	44	37.3				
Marshall	369	128	34.7	440	151	34.3	405	124	30.6	352	177	50.3				
McCracken	1,474	455	30.9	1,640	934	57.0	1,523	761	50.0	1,169	619	52.9				
TOTAL	3,517	1,427	40.6	3,518	1,694	48.1	3,301	1,570	47.6	2,846	1,437	50.5				
EDDs DIST. 2																
Caldwell	359	228	63.5	198	98	49.5	213	108	50.7	99	68	68.7				
Christian	824	439	53.3	568	*	*	770	248	32.2	867	86	9.9				
Crittenden	113	*	*	213	77	36.2	181	76	42.0	106	45	42.5				
Hopkins	1,136	262	23.1	348	*	*	746	340	45.6	664	275	41.4				
Livingston	118	53	44.9	109	44	40.4	112	50	44.6	106	43	40.6				
Lyon	101	42	41.6	73	33	45.2	82	36	46.3	75	34	45.3				
Muhlenberg	559	264	47.2	474	127	26.8	469	186	40.1	384	93	24.2				
Todd	282	134	47.5	210	92	43.8	226	121	53.5	204	47	23.0				
Trigg	90	*	*	105	*	*	205	84	41.0	182	69	37.9				
TOTAL	3,582	1,422	39.7	2,298	471	20.5	3,004	1,253	41.7	2,687	760	28.3				

TABLE 14 (continued)

Total County (geographic unit)	April, 1955				April, 1960				April, 1964				April, 1970			
	6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.		6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.		6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.		6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.	
EDDs DIST. 3																
Davies	1,493	1,156	77.4		1,452	647	44.6		1,583	831	52.5		1,657	996	60.1	
Hancock	150	74	49.3		125	61	48.8		80	32	40.0		76	18	23.7	
Henderson	767	236	30.8		701	146	20.8		767	335	43.7		612	170	27.8	
McLean	106	*	*		102	*	*		181	65	35.9		115	34	29.6	
Ohio	440	265	60.2		339	329	97.1		296	165	55.7		209	50	23.9	
Union	336	179	53.3		367	141	38.4		350	116	33.1		331	190	57.4	
Webster	203	146	71.9		185	50	27.0		259	128	49.4		197	87	44.2	
TOTAL	3,495	2,056	58.8		3,271	1,374	42.0		3,516	1,672	47.6		3,197	1,545	48.3	
EDDs DIST. 4																
Allen	229	134	58.5		227	123	54.2		256	111	43.4		221	112	50.7	
Barren	605	389	64.3		731	440	60.2		675	320	47.4		599	290	48.4	
Butler	223	127	57.0		204	92	45.1		205	111	54.1		200	96	48.0	
Edmonson	294	179	60.9		141	72	51.1		123	92	74.8		162	80	49.4	
Hart	392	172	43.9		271	114	42.1		259	83	32.0		216	124	57.4	
Logan	416	221	53.1		493	171	34.7		492	209	42.5		393	170	43.3	
Metcalfe	218	76	34.9		167	41	24.6		148	60	40.5		166	41	24.7	
Monroe	310	160	51.6		272	213	78.3		257	149	58.0		229	96	41.9	
Simpson	237	120	50.6		218	109	50.0		277	156	56.3		187	64	34.2	
Warren	1,041	358	34.4		1,119	396	35.4		1,085	405	37.3		1,150	398	34.6	
TOTAL	3,965	1,936	48.8		3,843	1,771	46.1		3,777	1,696	44.9		3,523	1,471	41.8	

TABLE 14 (continued)

Total County (geographic unit)	April, 1955			April, 1960			April, 1964			April, 1970		
	6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.	6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.	6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.	6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.
EDDs DIST. 5												
Breckinridge	365	191	52.3	386	190	49.2	323	111	34.4	321	160	49.8
Hardin	733	402	54.8	830	361	43.5	763	268	35.1	1,028	364	35.4
Larue	230	145	63.0	172	91	52.9	193	91	47.2	143	247	172.7
Marion	461	260	56.4	398	237	59.5	402	196	48.8	429	206	48.0
Meade	282	116	41.1	289	119	41.2	284	153	53.9	300	181	60.3
Nelson	585	293	50.1	483	181	37.5	535	225	42.1	395	80	20.3
Washington	291	171	58.8	244	120	49.2	252	87	34.5	225	96	42.7
Grayson	214	113	52.8	242	120	49.6	308	148	48.1	248	145	58.5
TOTAL	3,161	1,691	53.5	3,044	1,419	46.6	3,060	1,279	41.8	3,089	1,479	47.9
EDDs DIST. 6												
Bullitt	344	185	53.8	235	104	44.3	403	222	55.1	721	370	51.3
Henry	243	110	45.3	200	124	62.0	201	88	43.8	148	55	37.2
Oldham	252	128	50.8	235	104	44.3	230	90	39.1	246	113	45.9
Shelby	364	202	55.5	358	187	52.3	402	185	46.0	344	157	45.6
Spencer	152	83	54.6	139	67	48.2	125	55	44.0	119	54	45.4
Trimble	108	75	69.4	78	24	30.8	112	60	53.6	185	2	1.1
TOTAL	1,463	783	53.5	1,245	610	49.0	1,473	700	47.5	1,763	751	42.6

TABLE 14 (continued)

Total County (geographic unit)	April, 1955			April, 1960			April, 1964			April, 1970		
	6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not In Memb.	6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not In Memb.	6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not In Memb.	6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not In Memb.
EDDs DIST. 7												
Boone	455	175	38.5	531	202	38.0	673	245	36.4	795	368	46.3
Campbell	1,422	212	14.9	1,507	185	12.3	1,790	594	33.2	1,313	489	37.2
Carroll	209	118	56.5	184	27	14.7	159	93	58.5	160	86	53.8
Callatin	81	40	49.4	73	41	56.2	71	36	50.7	97	47	48.5
Grant	187	111	59.4	156	80	51.3	168	61	36.3	163	77	47.2
Kenton	2,298	606	26.4	2,388	977	40.9	1,838	987	52.6	2,169	977	45.0
Owen	204	118	57.8	151	82	54.3	103	37	35.9	130	75	57.7
Pendleton	234	123	52.6	226	75	33.2	195	81	41.5	166	68	41.0
TOTAL	5,090	1,503	29.5	5,216	1,669	32.0	4,997	2,114	42.3	4,993	2,187	43.8
EDDs DIST. 8												
Jefferson	12,661	4,317	34.1	11,728	5,228	44.6	11,217	5,148	45.9	13,461	4,025	29.9
EDDs DIST. 9												
Butt	221	103	46.6	163	97	59.5	220	122	55.5	183	103	56.3
Bracken	162	88	54.3	150	61	40.7	156	68	43.6	127	67	52.8
Fleming	277	158	57.0	190	89	46.8	210	111	52.9	191	122	63.9
Lewis	382	108	28.3	150	*	*	217	79	36.4	130	65	50.0
Mason	446	184	41.3	288	204	70.8	416	185	44.5	315	109	34.6
Menifee	136	41	30.1	152	*	*	107	57	53.3	119	49	41.2
Montgomery	296	168	56.8	303	53	17.5	280	110	39.3	278	124	44.6
Morgan	102	*	*	304	181	59.5	296	167	56.4	155	69	44.2
Robartson	52	10	19.2	40	13	32.5	41	18	43.9	43	24	55.8
Rowan	139	139	60.7	186	91	48.9	198	116	58.6	252	129	51.2
TOTAL	2,303	999	43.4	1,926	789	41.0	2,141	1,033	48.2	1,794	861	48.0

TABLE 14 (continued)

Total County (geographic unit)	April, 1955				April, 1960				April, 1964				April, 1970			
	6-Year Olds In Census	Non- Memb. (Not 7)	% 6-Year Olds Not In Memb.		6-Year Olds In Census	Non- Memb. (Not 7)	% 6-Year Olds Not In Memb.		6-Year Olds In Census	Non- Memb. (Not 7)	% 6-Year Olds Not In Memb.		6-Year Olds In Census	Non- Memb. (Not 7)	% 6-Year Olds Not In Memb.	
EDDs DIST. 10																
Boyd	836	694	83.0		903	663	73.4		1,107	504	45.5		812	454	55.9	
Carlier	609	272	44.7		463	274	59.2		461	274	59.4		270	41	15.2	
Elliott	223	93	41.7		123	80	65.0		116	67	58.8		158	75	47.5	
Greenup	972	397	40.8		872	397	45.5		542	306	56.5		791	283	35.8	
Lawrence	514	285	55.4		327	150	45.9		224	111	49.6		219	73	33.3	
TOTAL	3,154	1,741	55.2		4,252	1,564	36.8		2,450	1,262	51.5		2,260	926	41.2	
EDDs DIST. 11																
Floyd	1,484	1,077	72.6		1,131	766	67.7		976	708	72.5		646	208	32.2	
Johnson	677	476	70.3		430	*	*		390	205	52.6		321	105	32.7	
Magoffin	318	142	44.7		252	112	44.4		200	57	28.5		123	0	0	
Martin	300	90	30.0		327	96	29.4		227	105	46.3		255	125	49.0	
Pike	2,232	1,792	80.3		1,651	1,139	69.0		1,589	882	55.5		1,292	678	52.5	
TOTAL	5,011	3,577	71.4		3,791	2,113	55.7		3,382	1,957	57.9		2,637	1,116	42.3	
EDDs DIST. 12																
Breathitt	451	316	70.1		375	268	71.5		341	153	44.9		244	137	56.1	
Knott	614	374	60.9		458	234	51.1		388	169	43.6		251	66	26.3	
Lee	240	64	26.7		238	101	42.4		217	93	42.9		171	94	55.0	
Leslie	514	284	55.3		120	*	*		222	117	52.7		260	136	52.3	
Letcher	1,232	624	50.6		665	306	46.0		586	296	50.5		249	223	89.6	
Owsley	52	37	71.2		60	49	81.7		103	43	41.7		107	51	47.7	
Perry	1,296	671	51.8		806	267	33.1		418	247	59.1		615	277	45.0	
Wolfe	249	136	54.6		150	*	*		155	40	25.8		171	99	57.9	
TOTAL	4,648	2,506	53.9		2,872	1,225	42.7		2,430	1,158	47.7		2,068	1,083	52.4	

TABLE 14 (continued)

Total County (geographic unit)	April, 1955				April, 1960				April, 1964				April, 1970			
	6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.		6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.		6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.		6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.	
EDDe DIST. 13																
Bell	974	514	52.8		748	412	55.1		627	381	60.8		425	184		43.3
Clay	657	305	46.4		528	147	27.8		445	225	50.6		534	264		49.3
Harlan	2,242	1,822	81.3		966	990	*		1,044	515	49.3		683	285		41.7
Jackson	421	201	47.7		334	214	64.1		196	42	21.4		178	72		40.4
Knox	670	443	66.1		531	356	67.0		454	260	57.3		404	86		21.3
Laurel	638	346	54.2		529	251	47.4		516	262	50.8		548	247		45.2
Rockcastle	265	182	68.7		233	122	52.4		272	174	64.0		278	150		53.9
Whitley	512	221	43.2		323	*	*		596	371	62.2		487	230		47.2
TOTAL	6,379	4,034	63.2		4,192	2,492	59.4		4,150	2,230	53.7		3,535	1,518		42.9
EDDe DIST. 14																
Ada'r	164	*	*		88	*	*		205	98	47.8		224	94		41.9
Casey	445	205	46.1		403	97	24.1		208	60	28.8		290	61		21.0
Clinton	175	82	46.9		128	58	45.3		91	17	18.7		128	50		39.1
Cumberland	216	133	61.6		131	72	55.0		135	68	50.4		122	74		60.7
Green	191	97	50.8		188	78	41.5		157	77	49.0		172	82		47.7
McCreary	396	323	81.6		280	133	47.5		338	93	27.5		250	121		48.4
Pulaski	851	446	53.6		638	274	42.9		575	320	55.7		408	307		75.2
Russell	253	190	75.1		108	78	72.2		186	95	51.1		208	107		51.4
Taylor	396	161	40.7		398	193	48.5		470	199	42.3		380	208		54.7
Wayne	537	253	47.1		342	176	51.5		330	196	59.4		234	120		51.3
TOTAL	3,624	1,890	52.2		2,704	1,159	42.9		2,695	1,223	45.4		2,416	1,224		50.7

TABLE 14 (continued)

Total County (geographic unit)	April, 1955				April, 1960				April, 1964				April, 1970			
	6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.		6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.		6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.		6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.	
EDDe DIST. 15																
Anderson	155	85	54.8		152	77	50.7		156	46	29.5		136	27	19.9	
Bourbon	336	157	46.7		426	152	35.7		302	124	41.1		348	164	47.1	
Boyle	439	242	55.1		358	166	46.4		342	125	36.5		356	120	33.7	
Franklin	509	242	47.5		476	206	43.3		501	211	42.1		661	141	21.3	
Harrison	294	194	66.0		274	143	52.2		262	143	54.6		297	130	43.8	
Jessamine	326	*	*		284	116	40.8		282	127	45.0		272	110	40.4	
Mercer	298	146	49.0		272	138	50.7		293	144	49.1		266	116	43.6	
Nicholas	139	80	57.6		117	56	47.9		105	64	61.0		102	54	52.9	
Scott	226	141	62.4		238	106	44.5		290	151	52.1		308	128	41.6	
Woodford	227	103	45.4		235	113	48.1		252	101	40.1		234	112	39.4	
TOTAL	2,946	1,390	47.2		2,832	1,273	44.9		2,785	1,236	44.3		3,030	1,102	36.4	
EDDe DIST. 16																
Clark	396	201	50.8		269	*	*		405	213	52.6		449	208	46.3	
Estill	318	151	47.5		239	120	50.2		230	105	45.7		239	121	50.6	
Garrard	211	150	71.1		212	119	56.1		178	65	36.5		179	72	40.2	
Lincoln	463	292	63.1		303	142	46.9		294	111	37.8		410	330	80.5	
Madison	629	346	55.0		497	267	53.7		704	338	48.0		603	520	86.2	
Powell	186	111	59.7		112	65	58.0		167	98	58.7		198	35	17.7	
TOTAL	2,203	1,251	56.8		1,632	713	43.7		1,978	930	47.0		2,078	1,286	61.9	
EDDe DIST. 17																
Fayette	2,089	869	41.6		2,364	1,070	45.3		2,608	1,032	39.6		2,952	1,193	40.4	

TABLE 15

NUMBER AND PER CENT OF CENSUS-AGE CHILDREN
IN NON-MEMBERSHIP (UNDER STATUTORY LEGAL AGE-NOT SEVEN),
BY REGIONS, FOR CENSUS YEARS 1955, 1960, 1964, 1970

Total Region (geographic unit)	April, 1955				April, 1960				April, 1964				April, 1970			
	6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.		6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.		6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.		6-Year Olds in Census	Non- Memb. (Not 7)	% 6-Year Olds Not in Memb.	
EDD DIST. 1	3,517	1,427	40.6		3,518	1,694	48.1		3,301	1,570	47.6		2,843	1,437	50.5	
EDD DIST. 2	3,582	1,422	39.7		2,298	471	20.5		3,004	1,253	41.7		2,687	760	28.3	
EDD DIST. 3	3,495	2,096	58.8		3,271	1,374	42.0		3,516	1,672	47.6		3,197	1,545	48.3	
EDD DIST. 4	3,965	1,936	48.8		3,843	1,771	46.1		3,777	1,696	44.9		3,523	1,471	41.8	
EDD DIST. 5	3,161	1,691	53.5		3,044	1,419	46.6		3,060	1,279	41.8		3,089	1,479	47.9	
EDD DIST. 6	1,463	783	53.5		1,245	610	49.0		1,473	700	47.5		1,763	751	42.6	
EDD DIST. 7	5,090	1,503	29.5		5,216	1,689	32.0		4,997	2,114	42.3		4,993	2,187	43.8	
EDD DIST. 8	12,661	4,317	34.1		11,728	5,228	44.6		11,217	5,148	45.9		13,461	4,025	29.9	
EDD DIST. 9	2,303	999	43.4		1,926	789	41.0		2,141	1,033	48.2		1,794	861	48.0	
EDD DIST. 10	3,154	1,741	55.2		4,252	1,564	36.8		2,450	1,262	51.5		2,250	926	41.2	
EDD DIST. 11	5,011	3,577	71.4		3,791	2,113	55.7		3,382	1,957	57.9		2,637	1,116	42.3	
EDD DIST. 12	4,648	2,506	53.9		2,872	1,225	42.7		2,430	1,158	47.7		2,068	1,083	52.4	
EDD DIST. 13	6,379	4,034	63.2		4,192	2,492	59.4		4,150	2,230	53.7		3,535	1,518	42.9	
EDD DIST. 14	3,624	1,890	52.2		2,704	1,159	42.9		2,695	1,223	45.4		2,416	1,224	50.7	
EDD DIST. 15	2,946	1,390	47.2		2,832	1,273	44.9		2,785	1,236	44.3		3,030	1,102	36.4	
EDD DIST. 16	2,203	1,251	56.8		1,832	713	43.7		1,978	930	47.0		2,078	1,286	61.9	
EDD DIST. 17	2,089	869	41.6		2,364	1,070	45.3		2,608	1,032	39.6		2,952	1,193	40.4	
TOTAL	69,291	33,392	48.2		60,728	26,634	43.9		58,964	27,493	46.6		55,319	23,964	41.1	

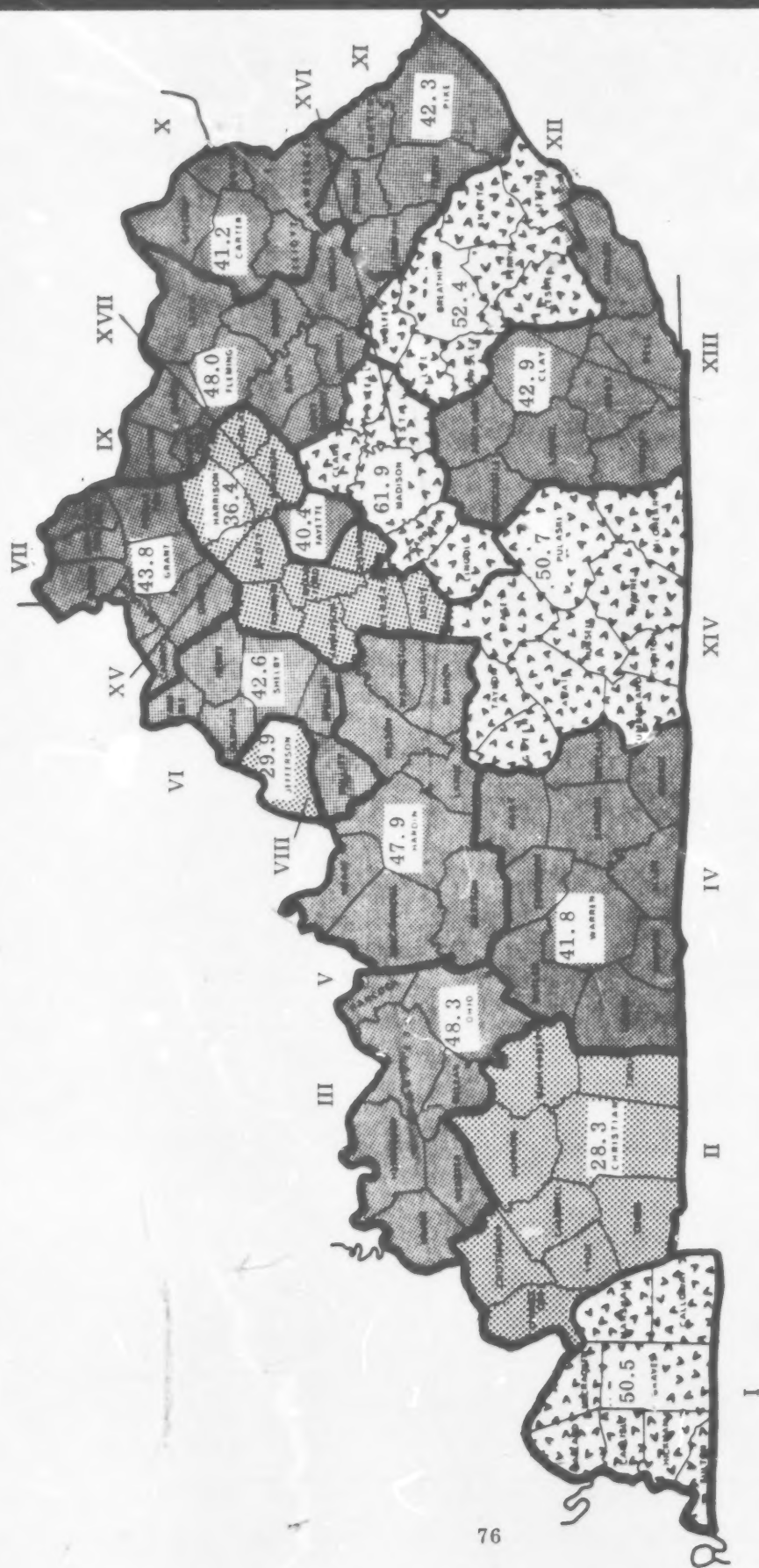


Chart G. Percentage Six-Year Olds in Census in Non-Membership Status,
April, 1970, by EDD Regions

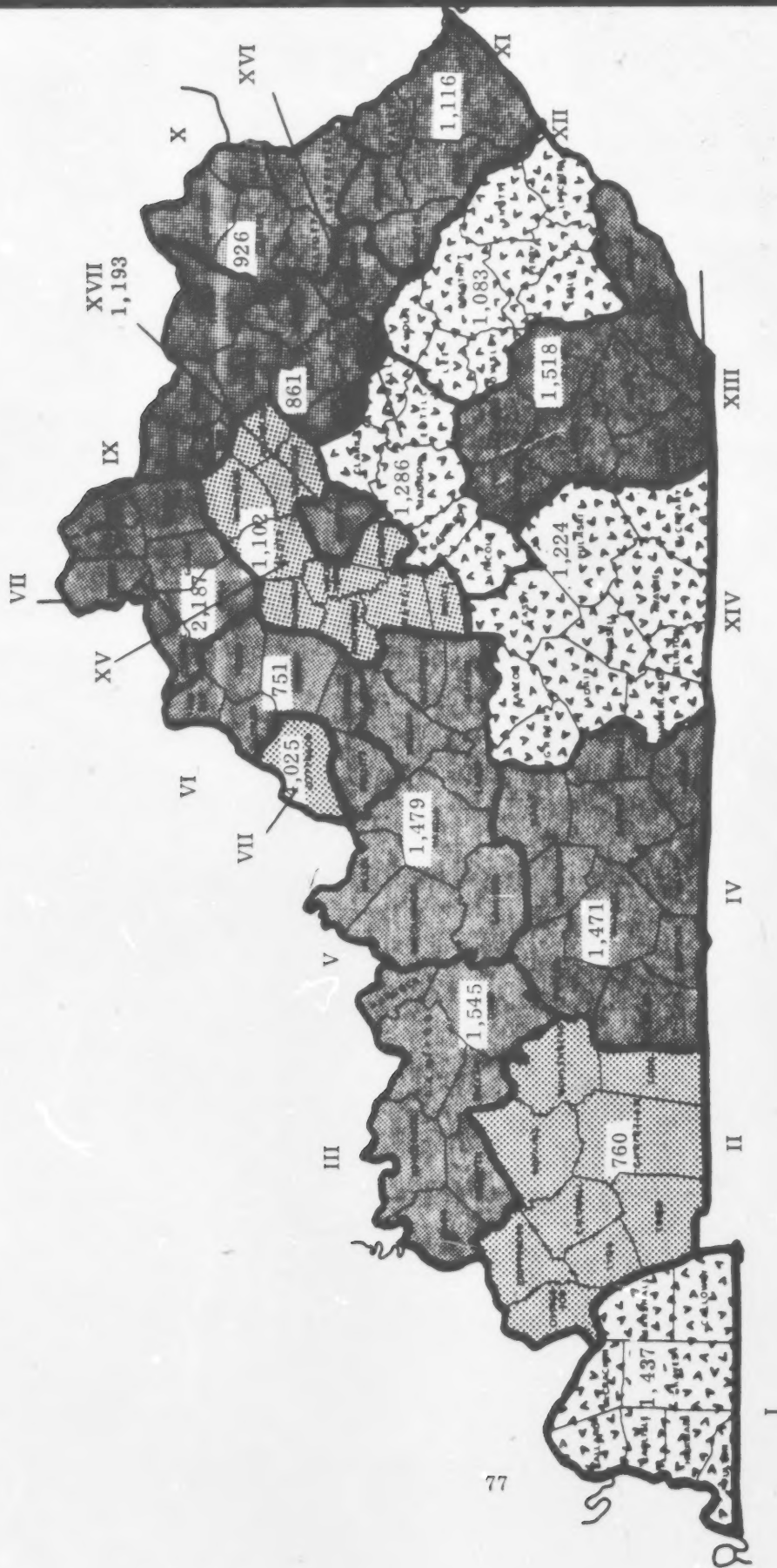


Chart H. Non-Membership of Six-Year Olds (not 7), April, 1970, by EDD Regions

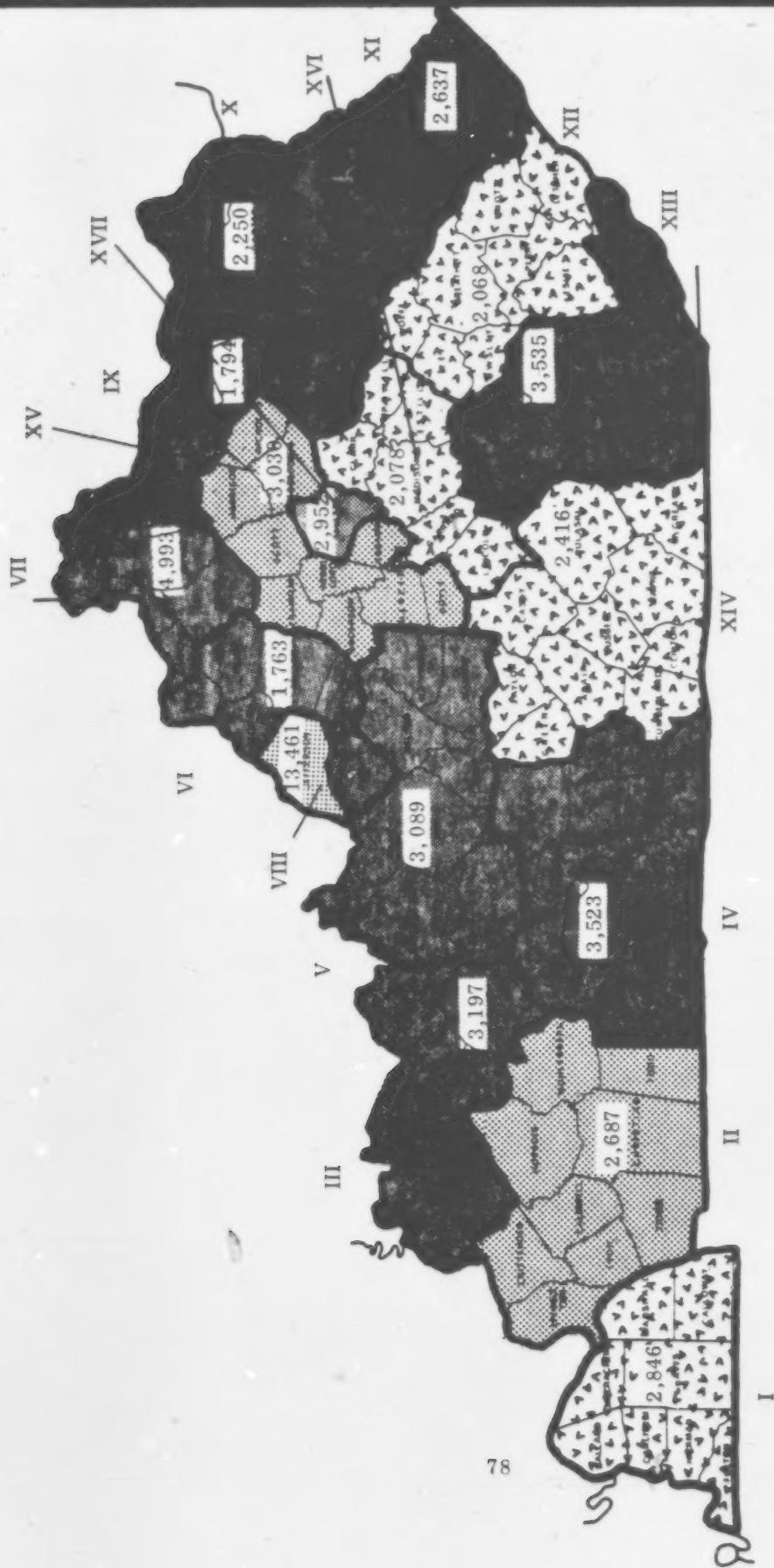


Chart I. Six-Year Olds in Census, April, 1970, by EDD Regions

APPENDIX C
TABLES RELATING TO PUPIL RETENTION

TABLE 16

NUMBER OF PUPILS IN MEMBERSHIP AT CLOSE OF YEAR, BY GRADE AND YEARS,
KENTUCKY PUBLIC SCHOOLS, PERIOD 1962 THRU 1971

GRADE	YEARS											Total
	61-62	62-63	63-64	64-65	65-66	66-67	67-68	68-69	69-70	70-71		
Kindergarten	1,072	882	1,054	670	682	3,879	4,137	4,152	3,978	3,712	24,218	
1	66,928	67,776	68,302	66,548	66,475	66,712	71,074	71,828	70,031	69,354	685,028	
2	61,728	60,997	61,587	62,105	60,695	61,192	60,776	61,615	61,242	61,973	613,910	
3	59,843	60,572	59,730	60,148	60,806	59,546	60,287	60,067	60,745	60,566	602,310	
4	58,869	58,499	59,487	58,493	59,210	60,298	59,352	59,876	59,507	60,732	594,323	
5	58,380	57,760	57,588	57,919	57,887	58,702	59,892	59,093	59,487	60,174	586,882	
6	56,210	56,790	56,464	56,112	57,010	56,787	58,229	59,516	58,906	59,847	575,871	
7	56,693	55,588	56,459	56,977	56,097	57,246	57,182	58,854	60,525	61,333	576,954	
8	54,284	53,214	52,560	53,478	53,612	53,942	55,576	55,587	57,330	59,990	549,573	
Exc. Elem.	2,464	3,060	3,798	4,175	4,985	5,836	7,062	8,089	10,141	10,338	59,948	
9	50,851	49,837	50,001	49,811	51,674	52,060	52,654	54,863	54,663	57,208	523,622	
10	39,696	44,465	43,712	44,082	44,145	45,918	46,450	47,070	48,833	49,789	454,160	
11	27,201	34,677	39,369	38,991	39,482	39,193	41,313	41,475	41,807	44,185	387,693	
12	23,932	24,381	29,962	34,066	52,954	33,173	33,527	35,144	35,173	35,531	317,843	
Exc. Sec.	899	1,142	1,284	1,390	1,626	1,921	2,106	2,522	3,054	3,526	19,470	
Total	619,050	629,640	641,357	644,965	647,340	656,405	669,617	679,751	685,422	698,258	6,571,805	

TABLE 17

NUMBER OF PUPILS IN MEMBERSHIP AT CLOSE OF YEAR RETAINED, BY GRADE AND YEARS,
KENTUCKY PUBLIC SCHOOLS, 1961-62 THRU 1970-71

GRADE	61-62	62-63	63-64	64-65	65-66	66-67	67-68	68-69	69-70	70-71	Total
Kindergarten	13	17	16	17	27	38	46	52	52	81	359
1	9,776	9,602	9,707	9,415	9,369	9,995	9,970	9,869	9,325	9,276	96,304
2	4,318	4,058	4,299	4,153	4,211	4,390	3,938	3,811	3,448	3,050	39,676
3	3,698	3,390	3,353	3,251	3,047	3,155	2,865	2,641	2,195	1,863	29,458
4	2,909	2,727	2,651	2,293	2,231	2,508	2,028	1,784	1,438	1,120	21,689
5	2,661	2,453	2,040	1,919	1,959	2,218	1,790	1,503	1,214	912	18,669
6	2,137	1,966	1,750	1,550	1,413	1,640	1,343	1,106	831	809	14,545
7	3,812	3,379	3,085	2,982	2,817	2,719	2,543	2,404	2,133	1,950	27,824
8	3,218	2,828	2,313	2,324	2,327	2,451	2,156	2,090	1,931	1,774	23,412
Exc. Elem.	798	807	1,039	1,009	1,363	1,588	1,937	1,991	2,406	2,045	14,983
9	4,357	4,290	4,095	4,051	4,169	4,335	4,097	3,804	3,633	3,565	40,396
10	2,794	2,915	2,692	2,839	2,887	2,900	2,771	2,681	2,535	2,618	27,632
11	1,399	1,687	1,963	1,984	2,014	2,014	1,973	1,811	1,436	1,716	17,997
12	595	718	937	1,176	1,229	1,261	1,235	1,341	1,149	1,212	10,853
Exc. Sec.	113	175	119	99	286	249	218	233	285	278	2,055
TOTALS	42,598	41,012	40,059	39,062	39,349	41,461	38,910	37,121	34,011	32,269	385,852

TABLE 18

PERCENT OF PUPILS IN MEMBERSHIP RETAINED AT CLOSE OF YEAR, BY GRADE AND YEAR,
KENTUCKY PUBLIC SCHOOLS, PERIOD 1962 THRU 1971

GRADE	YEARS										
	61-62	62-63	63-64	64-65	65-66	66-67	67-68	68-69	69-70	70-71	
Kindergarten	1.21	1.92	1.51	2.53	3.95	0.97	1.11	1.25	1.3	2.18	
1	14.60	14.16	14.21	14.14	14.09	14.98	14.02	13.73	13.3	13.37	
2	6.99	6.65	6.98	5.68	6.92	7.17	6.47	6.18	5.6	4.92	
3	6.17	5.59	5.61	5.40	5.01	5.29	4.75	4.39	3.6	3.07	
4	4.94	4.66	4.45	3.92	3.76	4.15	3.41	2.97	2.4	1.84	
5	4.55	4.24	3.54	3.31	3.38	3.77	2.98	2.54	2.0	1.51	
6	3.80	3.46	3.09	2.76	2.47	2.88	2.30	1.85	1.4	1.35	
7	6.72	6.07	5.46	5.23	5.02	4.74	4.44	4.08	3.5	3.17	
8	5.92	5.31	4.40	4.34	4.34	4.54	3.87	3.75	3.4	2.95	
Exc. Elem.	32.38	26.37	27.35	24.16	27.34	27.21	27.4	24.61	23.7	19.78	
9	8.56	8.60	8.18	8.13	8.06	8.32	7.78	6.93	6.6	6.23	
10	7.03	6.55	6.15	6.44	6.53	6.31	5.96	5.69	5.2	5.25	
11	5.14	4.86	4.98	5.08	5.10	5.13	4.77	4.36	3.4	3.88	
12	2.49	2.94	3.12	3.45	3.72	3.80	3.68	3.81	3.3	3.41	
Exc. Sec.	12.56	15.32	9.26	7.12	17.58	12.96	10.35	9.23	9.3	7.88	
State Mean	6.88	6.51	6.24	6.05	6.07	6.31	5.81	5.46	5.0	4.59	

APPENDIX D
TABLES RELATING TO SURVIVAL ENROLLMENT
AND RATIOS, GRADES 1-12

TABLE 19

SURVIVAL ANALYSIS
ENROLLMENT, GRADES 1-12, KENTUCKY
COUNTY AND INDEPENDENT SCHOOL DISTRICTS,
STARTING IN SCHOOL YEAR 1942-43

Year	First Grade	Second Grade	Third Grade	Fourth Grade	Fifth Grade	Sixth Grade	Seventh Grade	Eighth Grade	Ninth Grade	Tenth Grade	Eleventh Grade	Twelfth Grade
1942-43	99,983											
1943-44	97,251	58,106										
1944-45	99,923	58,194	56,128									
1945-46	98,061	61,773	57,928	55,363								
1946-47	100,550	63,026	60,204	55,500	53,175	48,468						
1947-48	92,571	67,073	61,469	58,180	50,418	46,439	45,066					
1948-49	90,879	65,358	63,746	59,030	54,967	50,703	43,757	40,009				
1949-50	87,786	67,196	62,962	60,933	55,770	47,654	39,804	32,521	26,086	26,962	22,062	
1950-51	76,990	66,888	61,211	57,700	51,794	47,654	39,804	42,797	33,063	27,726	22,746	18,789
1951-52	74,475	60,217	63,988	61,658	57,671	53,717	48,189	43,716	35,986	29,981	25,163	19,677
1952-53	85,539	59,628	58,372	61,750	58,751	53,868	50,680	43,716	36,638	31,321	25,709	21,337
1953-54	86,446	69,064	57,204	55,659	58,401	54,730	50,739	45,729	39,435	33,495	27,725	21,810
1954-55	81,340	72,626	66,526	54,937	53,264	55,321	52,547	46,573	40,527	34,283	28,817	23,576
1955-56	76,906	68,974	70,247	63,247	52,754	50,548	49,359	48,436	42,549	36,621	31,564	24,872
1956-57	73,589	66,716	66,963	67,443	61,127	50,554	49,956	49,287	44,588	38,587	32,788	27,216
1957-58	73,361	64,712	65,093	64,827	65,679	59,178	58,077	46,722	41,479	35,579	29,903	28,333
1958-59	72,614	65,203	63,441	63,511	63,463	63,635	64,222	55,646	42,793	36,163	30,309	25,861
1959-60	74,639	67,295	66,354	64,312	64,388	63,538	62,473	60,242	51,240	43,797	38,204	26,334
1960-61	76,359	66,715	65,571	64,571	62,561	62,109	59,592	57,407	55,536	49,169	42,227	33,563
1961-62	71,293	64,520	62,250	61,092	60,526	58,394	58,515	56,745	54,864	48,312	42,989	38,337
1962-63	72,103	64,015	63,156	60,864	60,175	59,000	58,167	55,821	54,823	48,944	43,471	38,065
1963-64	72,469	64,494	62,277	61,839	59,182	58,791	59,167	55,821	54,823	48,944	43,471	38,065
1964-65	70,566	65,005	62,786	60,774	60,294	58,387	59,652	56,727	54,809	48,944	43,471	38,065
1965-66	70,645	63,769	63,601	61,708	60,321	59,272	59,204	56,922	56,335	48,841	43,471	38,065
1966-67	70,871	64,269	62,377	62,881	61,189	59,105	60,216	57,377	57,020	50,941	43,607	38,541
1967-68	75,538	64,039	63,280	62,124	62,613	60,692	60,235	60,084	57,722	51,593	45,891	38,802
1968-69	76,322	65,116	63,097	62,296	61,813	62,186	62,213	59,140	59,982	52,487	46,512	40,950
1969-70	74,844	64,877	64,134	62,787	62,598	61,809	64,002	61,178	60,268	54,806	46,908	41,067
1970-71	73,837	65,457	63,854	63,898	63,043	62,686	64,647	63,810	62,532	55,724	49,400	41,969

Source: Biennial Reports, Superintendent of Public Instruction, years ending 1943 through 1969

Exceptional, Elementary and Secondary Enrollment, are distributed equally among respective grade levels.

TABLE 20

SURVIVAL RATIOS, FIRST GRADE THROUGH TWELFTH GRADE, BASED ON ENROLLMENTS IN
SUCCESSIVE GRADES IN SUCCESSIVE YEARS IN KENTUCKY PUBLIC SCHOOLS - GRADES
1-12, STARTING IN 1942-43 TO 1970-71

Year	First Grade	Second Grade	Third Grade	Fourth Grade	Fifth Grade	Sixth Grade	Seventh Grade	Eighth Grade	Ninth Grade	Tenth Grade	Eleventh Grade	Twelfth Grade
1942-43	1,000											
1943-44	1,000	581										
1944-45	1,000	598	561									
1945-46	1,000	618	596	554								
1946-47	1,000	643	603	571	532							
1947-48	1,000	667	627	582	518	485						
1948-49	1,000	706	634	602	550	478	451					
1949-50	1,000	739	680	606	569	507	450	400				
1950-51	1,000	761	674	623	515	486	398	334	261			
1951-52	1,000	782	728	678	623	534	491	428	340	270		
1952-53	1,000	801	758	703	646	582	504	446	360	285		
1953-54	1,000	807	768	723	665	602	548	455	374	300	234	188
1954-55	1,000	840	778	738	692	630	578	503	392	319	252	202
1955-56	1,000	848	813	739	738	657	607	533	438	333	262	214
1956-57	1,000	867	823	780	715	679	641	561	468	370	276	222
1957-58	1,000	879	846	797	760	692	671	601	508	403	311	234
1958-59	1,000	889	862	826	780	736	679	627	539	439	347	269
1959-60	1,000	927	904	874	837	782	743	650	574	462	373	299
1960-61	1,000	894	903	880	850	807	768	697	599	485	388	323
1961-62	1,000	845	834	841	825	794	775	706	642	512	407	336
1962-63	1,000	898	827	815	829	804	795	738	674	569	447	353
1963-64	1,000	894	874	810	793	810	806	758	714	594	488	441
1964-65	1,000	897	871	852	790	782	821	773	745	636	529	443
1965-66	1,000	904	878	856	846	776	791	784	768	664	565	468
1966-67	1,000	910	884	868	849	829	789	769	785	694	593	501
1967-68	1,000	904	896	880	864	845	845	774	773	711	626	527
1968-69	1,000	862	890	882	876	858	863	830	786	703	641	558
1969-70	1,000	850	849	886	886	876	883	848	845	718	628	566
1970-71	1,000	875	837	845	890	887	916	881	867	782	647	562

Source: Derived from Enrollment Data, Biennial Reports, Superintendent of Public Instruction, years ending 1943-1971